

Carolina, 5, 10, 24, 25, 26, 30, 31. Ohio, 10, 13, 24, 25, 26. Oklahoma, 9, 18, 19, 23, 28, 29. Oregon, 8, 9, 10, 11, 16, 17, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31. South Carolina, 9, 10, 14, 25, 26. South Dakota, 11, 24. Tennessee, 4, 10, 19, 25, 26. Texas, 9, 18, 19, 22, 29. Utah, 7, 8, 11, 12, 18, 22, 23, 24, 25, 26, 29, 30. Virginia, 10, 11, 25, 26. Washington, 2, 7, 9, 17, 21, 22, 23, 26, 27, 28, 31. Wisconsin, 9, 10, 18, 19, 23.

HUMIDITY.

The averages by districts appear in the subjoined table:

Average relative humidity and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	76	+ 1	Missouri Valley.....	68	- 4
Middle Atlantic	71	0	Northern Slope	68	+ 2
South Atlantic	69	- 5	Middle Slope	53	- 13
Florida Peninsula	74	- 4	Southern Slope.....	43	- 13
East Gulf.....	66	- 8	Southern Plateau	36	- 4
West Gulf	66	- 4	Middle Plateau	57	+ 3
Ohio Valley and Tennessee.	70	0	Northern Plateau.....	70	0
Lower Lake	77	+ 1	North Pacific Coast.....	79	- 1
Upper Lake	83	+ 5	Middle Pacific Coast.....	66	- 10
North Dakota	79	+ 2	South Pacific Coast.....	67	- 7
Upper Mississippi.....	74	+ 3			

SUNSHINE AND CLOUDINESS.

The distribution of sunshine is graphically shown on Chart VII, and the numerical values of average daylight cloudiness, both for individual stations and by geographical districts, appear in Table I.

The averages for the various districts, with departures from the normal, are shown in the table below:

Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	6.7	+1.1	Missouri Valley	5.7	+0.1
Middle Atlantic	5.9	+0.4	Northern Slope	5.2	-0.1
South Atlantic	4.5	-0.2	Middle Slope	4.5	+0.1
Florida Peninsula	3.6	-0.4	Southern Slope	3.6	-0.6
East Gulf.....	4.3	-0.4	Southern Plateau	2.4	-0.6
West Gulf	3.7	-1.5	Middle Plateau	4.8	-0.1
Ohio Valley and Tennessee.	6.2	+0.8	Northern Plateau	5.8	-0.7
Lower Lake	7.3	+0.9	North Pacific Coast.....	7.1	+0.5
Upper Lake	7.2	+1.3	Middle Pacific Coast.....	3.7	-1.3
North Dakota	5.0	-0.5	South Pacific Coast.....	2.9	-1.6
Upper Mississippi.....	6.5	+1.0			

ATMOSPHERIC ELECTRICITY.

Numerical statistics relative to auroras and thunderstorms

are given in Table IV, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

Thunderstorms.—Reports of 1,597 thunderstorms were received during the current month as against 740 in 1900 and 357 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country were most numerous were: 25th, 243; 26th, 177; 10th, 169.

Reports were most numerous from: Missouri, 117; Illinois, 106; North Carolina and Ohio, 91.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz: 1st to 9th.

In Canada.—Auroras were reported as follows: Halifax, 24th; Quebec, 18th, 24th; Minnedosa, 22d, 23d, 24th; Battleford, 13th, 21st.

Thunderstorms were reported as follows: Kingston, 10th, 25th; White River, 26th; Parry Sound, 10th, 25th; New Westminster, 25th.

WIND.

The maximum wind velocity at each Weather Bureau station for a period of five minutes is given in Table I, which also gives the altitude of Weather Bureau anemometers above ground.

Following are the velocities of 50 miles and over per hour registered during the month:

Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Alpena, Mich.....	3	54	se.	Jacksonville, Fla.....	26	61	s.
Amarillo, Tex.....	9	55	nw.	Lexington, Ky.....	3	53	sw.
Do.....	12	53	nw.	Marquette, Mich.....	62	52	w.
Do.....	18	50	nw.	Memphis, Tenn.....	75	75	sw.
Do.....	19	50	nw.	Mount Tamalpais, Cal.....	76	76	nw.
Do.....	23	50	nw.	Do.....	8	62	nw.
Do.....	23	50	nw.	Do.....	10	56	w.
Buffalo, N. Y.....	3	53	sw.	Do.....	17	62	nw.
Do.....	4	53	s.	Do.....	21	81	nw.
Do.....	11	60	w.	Do.....	23	52	nw.
Chicago, Ill.....	13	56	se.	Do.....	23	60	w.
Do.....	20	50	sw.	Do.....	24	65	n.
Cleveland, Ohio.....	3	53	sw.	Do.....	27	56	nw.
Denver, Colo.....	2	55	nw.	Nashville, Tenn.....	23	58	se.
Do.....	3	61	nw.	New York, N. Y.....	31	62	nw.
Eastport, Me.....	11	50	se.	North Platte, Nebr.....	12	53	nw.
El Paso, Tex.....	8	58	w.	Pensacola, Fla.....	23	54	se.
Do.....	18	54	nw.	Point Reyes Light, Cal.....	8	66	nw.
Do.....	23	52	w.	Portland, Me.....	11	50	ne.
Do.....	24	55	nw.	Saint Louis, Mo.....	10	53	sw.
Erie, Pa.....	3	52	s.	Do.....	13	50	w.
Do.....	10	50	s.	Sault Ste. Marie, Mich.....	3	54	w.
Fort Smith, Ark.....	12	60	w.	Sioux City, Iowa.....	8	58	nw.
Hatteras, N. C.....	5	53	n.	Winnemucca, Nev.....	10	53	sw.

DESCRIPTION OF TABLES AND CHARTS.

By ALFRED J. HENRY, Professor of Meteorology.

Table I gives, for about 145 Weather Bureau stations making two observations daily and for about 25 others making only one observation, the data ordinarily needed for climatological studies, viz., the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation, the total depth of snowfall, and the

mean wet-bulb temperatures. The altitudes of the instruments above ground are also given.

Table II gives, for about 2,700 stations occupied by voluntary observers, the highest maximum and the lowest minimum temperatures, the mean temperature deduced from the average of all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station; the total monthly precipitation, and the total depth in inches of

any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (....).

Table III gives, for all stations that make observations at 8 a. m. and 8 p. m., the four component directions and the resultant directions based on these two observations only and without considering the velocity of the wind. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I. By adding the four components for the stations comprised in any geographical division the average resultant direction for that division can be obtained.

Table IV gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table V gives a record of rains whose intensity at some period of the storm's continuance equaled or exceeded the following rates:

Duration, minutes..	5	10	15	20	25	30	35	40	45	50	60	80	100	120
Rates pr. hr. (ins.)..	8.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.88	0.84	0.75	0.60	0.54	0.50

In the northern part of the United States, especially in the colder months of the year, rains of the intensities shown in the above table seldom occur. In all cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest rainfall of any single storm has been given, also the greatest hourly fall during that storm.

Table VI gives, for about 30 stations furnished by the Canadian Meteorological Service, Prof. R. F. Stupart, director, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Table VII gives the heights of rivers referred to zeros of gages.

NOTES EXPLANATORY OF THE CHARTS.

Chart I, tracks of centers of high areas, and Chart II,

tracks of centers of low areas, are constructed in the same way. The roman numerals show number and chronological order of highs (Chart I) and lows (Chart II). The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. Within each circle is also given (Chart I) the highest barometric reading and (Chart II) the lowest pressure at or near the center at that time.

Chart III.—Total precipitation. The scale of shades showing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths, when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all, by 0.0.

Chart IV.—Sea-level pressure, temperature, and resultant surface winds. The wind directions on this Chart are the computed resultants of observations at 8 a. m. and 8 p. m., daily; the resultant duration is shown by figures attached to each arrow. The temperatures are the means of daily maxima and minima and are reduced to sea level. The pressures are the means of 8 a. m. and 8 p. m. observations, daily, and are reduced to sea level and to standard gravity. The reduction for 30 inches of the mercurial barometer, as formerly shown by the marginal figures for each degree of latitude, has already been applied.

Chart V.—Hydrographs for seven principal rivers of the United States.

Chart VI.—Surface temperatures; maximum, minimum, and mean. Lines of equal monthly mean temperature in red; lines of equal maximum temperature in black; and lines of equal minimum temperature (dotted) also in black.

Chart VII.—Percentage of sunshine. The average cloudiness at each Weather Bureau station is determined by numerous personal observations during the day. The difference between the observed cloudiness and 100, it is assumed, represents the percentage of sunshine, and the values thus obtained have been used in preparing Chart VII.

Chart VIII.—West Indian monthly isobars, isotherms, and resultant winds.

Chart IX.—Total snowfall.

TABLE I.—Climatological data for Weather Bureau Stations, March, 1901.

Stations.	Elevation of instruments.		Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.						Precipitation, in inches.		Wind.																
	Barometer above sea level, feet.	Thermometers above ground.	Mean actual, 8 a.m. + 8 p.m. + 2.	Mean reduced.	Departure from normal.	Mean max. + mean min. + 2.	Date.	Mean maximum.	Departure from normal.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.1 or more.	Total miles.	Prevailing direction.	Maximum velocity.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.		
New England.																													
Eastport	76	89	74	29.79	29.88	- .00	33.5	+ 1.1	39.8	21	36	- 3	1	24	28	25	76	5.55	+ 1.7	9,609	n.	50	se.	11	12	6.7			
Portland, Me.	103	81	117	29.76	29.87	- .05	31.8	- 0.2	45	27	39	- 13	8	35	27	28	73	6.49	+ 3.1	14	7,935	n.w.	50	ne.	11	8	14	6.4	10.7
Northfield	876	65	89	29.93	29.92	- .06	35.4	+ 0.4	47	25	34	- 9	7	30	29	23	74	8.81	+ 0.9	17	7,938	s.	48	s.	3	1	7	23	8.3
Boston	125	115	181	29.77	29.91	- .03	36.2	+ 2.0	53	21	43	- 13	8	37	29	23	70	6.58	+ 2.5	14	9,793	w.	36	s.	21	5	12	14	7.6
Nantucket	12	48	85	29.91	29.92	- .03	36.4	+ 1.5	53	27	42	- 13	7	31	20	23	78	4.74	+ 1.2	17	18,023	sw.	46	se.	11	5	9	21	5.8
Block Island	26	11	70	29.89	29.92	- .03	35.6	+ 0.8	53	28	41	- 13	7	30	19	23	80	5.60	+ 1.6	10	14,763	w.	49	n.w.	5	9	9	18	5.8
Narragansett	10	—	—	—	—	—	34.8	+ 1.5	54	27	43	- 13	7	27	27	27	74	7.03	+ 2.4	12	—	n.w.	—	—	—	—	T.		
New Haven.	106	117	140	29.80	29.92	- .06	36.0	+ 1.4	53	27	43	- 9	7	29	27	22	74	5.80	+ 2.4	12	—	n.w.	33	n.w.	29	10	14	5.8	0.5
Mid. Atlan. States.							42.0	+ 2.8	52	18	40	6	7	25	30	25	71	4.14	+ 1.5	13	7,067	s.	46	se.	3	5	9	17	7.2
Albany	97	84	118	29.81	29.92	- .06	32.8	+ 0.9	52	18	40	6	7	25	30	25	76	2.95	+ 0.2	17	6,383	n.w.	34	n.w.	81	7	9	15	6.4
Binghamton	875	79	90	29.57	29.92	- .07	32.2	+ 1.4	57	23	40	13	6	32	33	26	70	5.18	+ 1.2	14	18,506	n.w.	62	n.w.	12	6	11	14	6.7
New York	314	108	350	29.57	29.92	- .07	40.0	+ 3.8	71	19	48	13	6	32	34	28	70	8.60	+ 0.1	13	7,350	n.w.	36	s.	11	6	11	17	6.7
Harrisburg	374	94	104	—	—	—	41.8	+ 2.7	66	19	50	13	6	32	33	26	70	8.39	+ 0.1	14	9,699	n.w.	36	s.	11	6	11	17	6.7
Philadelphia	117	168	184	29.81	29.94	- .07	41.8	+ 2.7	66	19	50	13	6	32	33	28	70	8.39	+ 0.1	14	9,699	n.w.	36	s.	11	6	11	17	6.7
Scranton	805	111	119	29.04	29.95	- .05	35.6	+ 1.5	58	23	44	13	6	32	33	28	70	8.38	+ 0.1	14	6,875	s.	36	se.	11	7	11	18	6.5
Atlantic City	52	68	76	29.88	29.94	- .04	40.2	+ 2.6	60	19	47	12	6	32	37	27	73	8.81	+ 0.8	14	9,570	n.w.	33	n.w.	81	6	12	18	6.0
Cape May	17	47	51	29.94	29.96	- .03	40.6	+ 1.1	69	19	46	16	6	32	33	28	70	8.45	+ 0.9	13	7,471	w.	38	re.	11	9	9	11	5.8
Baltimore	123	68	82	29.80	29.93	- .08	43.8	+ 2.8	74	19	52	13	6	32	33	28	70	8.55	+ 0.5	12	5,005	w.	25	e.	10	11	11	9	5.1
Washington	112	59	76	29.82	29.94	- .08	45.0	+ 3.7	75	19	55	17	6	32	33	28	70	8.64	+ 1.5	9	6,958	n.w.	34	n.w.	26	7	12	18	6.1
Cape Henry	5	35	—	—	—	—	49.5	+ 4.3	76	18	59	17	6	32	37	29	70	4.30	+ 0.7	10	9,810	s.	48	n.w.	11	12	11	11	5.1
Lynchburg	681	83	88	29.20	29.94	- .09	47.6	+ 2.4	72	18	58	14	6	32	37	29	70	5.66	+ 0.0	8	4,606	n.w.	34	n.w.	11	12	11	8	4.9
Norfolk	91	102	111	29.87	29.97	- .05	51.3	+ 4.4	72	19	60	18	6	32	37	29	70	8.24	+ 1.4	13	8,454	s.	36	s.	20	9	11	11	5.4
Richmond	144	83	90	—	—	—	49.6	+ 1.0	73	19	60	15	7	32	38	29	70	3.79	+ 0.7	10	6,856	s.	38	sw.	11	8	12	11	5.6
S. Atlantic States.							54.6	+ 0.9	75	21	61	16	7	40	49	43	75	6.55	+ 0.2	—	—	—	—	—	—	—	4.5		
Charlotte	773	68	76	29.15	29.98	- .04	50.8	+ 0.9	75	26	61	16	7	40	49	43	75	5.48	+ 0.7	8	7,188	s.	34	sw.	26	14	6	11	5.1
Hatteras	11	17	86	29.99	30.00	- .01	53.4	+ 3.8	71	25	59	16	6	48	50	47	70	8.81	+ 2.3	11	6,693	sw.	52	n.	5	14	8	17	4.4
Kittyhawk	8	12	30	—	—	—	51.0	+ 3.6	70	19	58	24	6	45	52	46	70	4.74	+ 0.4	6	11,074	w.	—	—	—	—	—	—	4.5
Raleigh	376	93	101	29.60	30.00	- .02	53.0	+ 3.8	76	24	63	16	7	41	47	44	72	6.77	+ 1.2	14	9,606	sw.	30	n.w.	11	14	8	9	4.6
Wilmington	78	83	92	29.93	30.02	- .00	54.8	+ 0.9	77	23	64	21	7	45	48	44	74	8.88	+ 0.0	8	7,897	sw.	40	n.	11	14	7	14	4.4
Charleston	48	14	98	30.00	30.06	+ .01	56.6	+ 0.1	71	21	64	29	7	49	52	49	71	2.40	+ 1.5	12	8,033	s.	35	s.	26	13	12	12	4.4
Columbia	5	—	—	—	—	—	51.0	+ 0.2	91	21	64	29	7	41	47	44	71	4.50	+ 0.0	12	8,033	s.	35	s.	—	—	11	11	5.0
Augusta	180	89	103	29.82	30.01	- .02	54.6	+ 0.9	80	25	65	23	7	44	47	40	76	5.60	+ 0.4	9	6,291	w.	32	w.	13	9	9	9	4.6
Savannah	65	79	89	29.97	30.04	- .03	58.0	+ 0.5	81	26	67	23	7	49	52	45	70	2.84	+ 3.1	9	7,153	s.	38	se.	23	19	14	4	4.8
Jacksonville	43	69	84	30.01	30.06	+ .01	60.4	+ 1.6	82	25	70	30	7	51	52	48	73	6.57	+ 3.1	9	6,939	w.	61	s.	23	16	5	10	4.1
Florida Peninsula.							67.0	+ 1.6	87	21	75	18	6	57	60	56	71	2.85	+ 0.7	—	—	—	—	—	—	—	3.6		
Jupiter	28	13	55	30.03	30.06	+ .01	67.7	+ 0.1	89	21	75	41	7	57	60	56	71	2.80	+ 0.1	8	9,004	se.	36	s.	2	13	16	2	8.9
Key West	32	43	50	30.04	30.06	+ .01	70.3	+ 2.5	84	31	75	41	7	55	60	56	71	2.68	+ 0.5	13	8,574	s.	48	n.w.	20	9	1	8	3.0
Tampa	34	60	67	30.03	30.07	+ .01	68.3	+ 2.3	84	31	72	34	7	54	59	56	71	2.68	+ 0.6	8	5,939	w.	30	17	5	9	8	9	3.9
East Gulf States.							57.4	+ 1.0	85	25	61	17	6	43	47	44	83	5.53	+ 0.4	—	—	—	—	—	—	—	3.7		
Shreveport	249	77	84	29.69	29.96	- .07	37.1	+ 0.5	83	4	68	26	6	46	45	47	83	2.25	+ 2.4	6	7,777	s.	38	se.	19	20	2	9	8.4
Fort Smith	457	79	93	29.43	29.93	- .09	50.6	+ 0.6	84	25	65	20	7	44	46	40	70	3.44	+ 0.2	6	6,410	n.w.	50	w.	12	9	14	8	4.5
Little Rock	357	93	100	29.56	29.95	- .10	51.8	+ 0.4	86	25	62	21	6	42	45	39	83	4.43	+ 1.2	9	9,303	n.w.	54	se.	23	14	6	11	4.7
Corpus Christi	18	42	50	29.93	29.95	- .06	66.1	+ 3.8	96	9	74	42	6	58	54	51	73	0.07	+ 1.6	20	10,688	se.	36	re.	18	21	4	6	2.9
Fort Worth	670	106	116	29.22	29.94	- .08	57.0	+ 1.0	82	29	67	26	6	47	51	48	70	4.17	+ 2.7	7	11,689	sw.	48	n.	8	17	12	20	3.0
Galveston	54	106	113	29.90	29.95	- .06	61.4	+ 1.1	77	20	67	39	6	56	58	54	74	1.57	+ 1.0	6	10,734	se.	48	n.	5	14	6	11	5.0
Palestine	510	73	79	29.42	29.97	- .06	58.3	+ 0.7	87	4	69</																		

TABLE I.—*Climatological data for Weather Bureau Stations, March, 1901—Continued.*

Note.—The data at stations having no departures are not used in computing the district averages.

TABLE II.—Climatological record of voluntary and other cooperating observers, March, 1901.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Alabama.</i>						<i>Arizona—Cont'd.</i>						<i>California—Cont'd.</i>					
Ashville	78	19	52.0	Ins.	Ins.	Sentinel* ¹	95	49	67.9	Ins.	T.	East Brother L. H.	o	o	o	Ins.	Ins.
Benton				6.77		Showlow	92	29	58.2	0.66	20	Edmonton* ¹	66	21	40.8	0.60	29.0
Bermuda ⁴	79	21	56.4	7.20		Signal	71	17	41.6	1.66	10.0	Elmdale	78	30	54.4	0.35	
Birmingham	79	21	56.1	5.81		Strawberry	78	28	55.7	0.38		Elsinore	94	29	57.6	0.42	
Bridgeport				8.24		Supai	78	20	53.1	0.81		Escondido	92	32	58.3	0.52	
Burkville				6.70		Tombstone	78	20	53.2	0.58		Fallbrook	87	34	57.6	0.42	
Calera				8.46		Tonto	80	28	53.2	0.20		Folsom City* ¹	80	38	56.1	0.58	
Camp Hill	79	18	55.0	7.62	T.	Tuba	72	23	46.0	0.20		Fordyce Dam				4.80	32.0
Citronelle	81	27	59.2	4.35		Tucson	86	25	55.8	0.64		Fort Ross	73	39	50.2	1.24	
Clanton	76	23	53.8	7.28	T.	Vail* ⁶	84	44	60.8	0.00		Fort Tejon				1.97	
Daphne	81	27	60.2	6.91		Walnut Grove						Georgetown	78	27	50.2	2.78	5.0
Decatur	78	15	51.0	6.41	T.	Willcox* ¹	75	30	53.2	0.81		Gilroy (near)	85	26	54.8	0.82	
Eufaula ^a	78	20	54.7	7.93		Yarnell						Grand Island* ⁵	77	36	57.2	0.21	
Eufaula ^c				7.52		<i>Arkansas.</i>						Grass Valley				2.25	T.
Eutaw	80	22	53.8	8.26		Amity	81	18	51.0	6.69		Greenville	73	19	42.6	2.68	11.0
Evergreen	79	23	56.6	8.08		Arkadelphia	80	20	52.6	8.88		Hanford	79	30	58.8		
Florence ^c				4.84		Arkansas City						Healdsburg	85	34	56.4	0.92	
Florence ^b	84	16	53.7	4.45	T.	Batesville	86	14	51.4	4.82		Hollister	80	30	58.0	1.02	
Gadsden	76	19	48.8	9.05		Beaverbranch	80	13	49.6	5.50		Humboldt L. H.				4.11	
Goodwater	77	17	51.2	5.01		Blanchard Springs	82	21	54.5	3.69		Idylwild				1.28	6.5
Greensboro	79	23	53.6	5.23	T.	Brinkley	80	18	53.1	8.45		Indio* ¹	91	50	55.1	0.00	
Greenville				7.64		Camden ^a	78	24	53.0	8.57		Iowa Hill* ¹	78	36	50.9	1.98	4.0
Hamilton	82	19	50.5	6.10	T.	Conway	88	11	52.0	5.68		Irvine	90	46	54.4	0.28	
Healing Springs	82	19	54.6	5.26		Corning	79	16	47.4	8.87	T.	Jackson (near)	70	26	49.6	2.58	1.5
Helena				4.50		Dallas	79	11	49.6	5.77		Jolon				0.58	
Highland Home	80	23	56.8	7.14		Dardanelle						Kennedy Gold Mine	70	26	48.8	2.23	
Lethachoochee				3.64		Elon	82	23	55.3	4.75		Kent				1.75	
Livingston ^a	81	21	58.0	1.39		Fayetteville	81	8	46.6	3.88	T.	King City* ¹	76	35	49.6	0.45	
Lock No. 4.	76	17	50.4	6.22	T.	Fulton						Kono Tayee	75	37	52.8	1.33	
Madison Station	78	15	50.8	6.81	T.	Hardy	80	12	48.4	4.79	T.	Laguna Valley				0.95	9.0
Maplegrove	77	16	48.8	8.32		Helena ^a	80	20	51.0	4.83		Lamesa				0.97	
Marion	79	23	55.5	5.20	T.	Hot Springs ^b						Laporte* ¹	68	21	37.2	6.24	46.7
Newbern	79	21	55.1	6.80	T.	Ione	82	11	51.2	5.23		Las Fuentes Ranch				0.00	
Newburg				5.23		Jonesboro	80	18	54.0	4.73		Legrand	75	31	53.8	0.92	
Notasulga				7.74		Keesees Ferry	85	11	48.6	4.35		Lemoncove	81	31	56.6	0.50	
Oneonta	74	11	52.2	8.68	T.	Lacrosse	82	12	49.2	6.76		Lick Observatory	75	27	44.0	1.98	
Opelika	73	23	52.24	9.63		Lonoke	88	17	54.4	4.47		Lime Point L. H.				0.53	
Oxanna	75	18	54.7	5.17	0.5	Lutherford	80	18	49.6	5.65	T.	Lodi	74	24	55.2	0.68	
Pineapple	83	20	53.8	3.00		Malvern	73	12	46.8	8.79		Los Gatos	79	37	55.6	1.09	
Prattville	78	20	55.0			Marianna	78	18	52.4	8.05		Mammoth* ¹	91	57	70.6	0.00	
Pushmataha	82	21	56.0	3.07		Marvel	80	19	53.8	8.03		Manzana	78	32	52.4	0.25	
Riverton	80	11	48.4	3.89	T.	Mossville ^c	77	9	44.9	5.86		Mare Island L. H.				0.91	
Scottsboro	78	15	48.4	7.09		Mount Nebo	78	18	48.3	6.95		Merced ^b	78	38	54.6	0.51	
Selma	24			5.01		New Gascony	82	18	52.6	4.46		Mills College				1.35	
Talladega	78	17	54.2	6.09	T.	Newport ^a						Milo				1.83	
Tallassee				7.17		Newport ^b	81	14	51.2	4.19		Modesto* ¹	87	41	60.0	0.42	
Thomasville	28			8.57		Newport ^c	80	27	57.0	5.20		Mohave* ¹	78	35	52.6	0.00	
Tuscaloosa	79	21	51.0	3.97	T.	Oregon	84	9	46.8	4.00		Mokelumne Hill* ³	88	27	48.8	1.76	
Tuskegee	80	19	56.0	5.14		Ocoeeola	80	16	52.0	4.67		Monterey	78	30	50.4	2.02	
Union Springs	77	23	54.0	8.95		Ozark	81	17	51.8	7.33		Monterey* ⁵	76	42	57.6	1.28	
Untontown	80	21	55.4	3.78		Pinebluff	84	21	54.6	5.50		Morena	82	30	53.0	1.58	
Valleyhead	73	14	47.8	9.22	T.	Pocahontas	68	14	48.4	8.90		Mountainview				0.51	
Verbena				8.77		Pond	83	4	45.8	5.51	T.	Mount St. Helena				2.12	
Wetumpka	79	21	53.8	6.85		Prescott	82	27	54.2	4.19		Napa	84	34	56.6	1.33	
<i>Alaska.</i>						Rison	84	18	53.0	3.60		Needles ^c	84	45	63.9	0.00	
Killisnoo	48	12	34.6	5.40	26.0	Rosadale	83	20	53.4	6.38		Nevada City	76	27	47.6	2.35	5.0
Sitka	46	17	36.8	7.80	2.0	Russellville	81	17	51.4	6.38		Newhall* ¹	88	35	56.8	0.13	
<i>Arizona.</i>						Silversprings	84	10	46.5	8.18	0.5	Niles* ¹	84	42	58.7	1.02	
Allaire Ranch				0.51		Spierville	86	18	51.0	5.48		North Bloomfield	80	26	47.3	2.97	5.5
Arivaca	85	28	55.6	0.58		Stuttgart	82	18	52.4	8.63		North Ontario	81	35	56.0	0.71	
Arizona Canal Co. Dam	88	35	58.9	0.30		Texarkana	81	24	54.8	8.20		North San Juan* ¹	83	31	51.5	4.51	0.3
Aztec* ¹	92	45	66.0	0.05	T.	Warren	81	21	53.1	4.92		Oakland	76	40	56.1	0.81	
Benson* ¹	71	37	54.7	T.	Washington	82	21	53.7	5.68		Ogilby* ¹	92	47	66.6	0.00		
Bisbee	77	28	50.6	0.88		Wiggs	82	15	51.8	6.23		Oleta* ¹	71	33	48.6	1.95	
Bowie* ²	70	39	56.8	0.75		Winchester	81	24	52.2	4.75		Orland* ¹	82	40	55.5	0.00	
Buckeye	90	32	59.7	0.40		Winslow	76	9	44.5	4.00	T.	Palermo	84	32	55.2	0.58	
Camp Creek	81	30	54.6	1.89		Witts Springs	80	15	50.3	5.30	T.	Palomar Mountain				1.45	2.2
Capim Grande* ¹	80	45	61.8	T.	<i>California.</i>	82	25	54.2			Paso Robles	78	29	52.7	0.63		
Champlie Camp	92	30	58.8	0.60		Angiola						Peachland* ¹	80	34	56.2	1.43	
Cochise* ³	65	36	52.2	0.53		Bakersfield	84	23	51.8			Piedras Blancas L. H.				0.52	
Congress	83	36	58.4	0.35		Ballast Point L. H.						Pigeon Point L. H.				0.95	
Dragoon Summit* ¹	71	35	48.7	T.	Bear Valley						Pilot Creek				3.74	18.5	
Dudleyville	87	27	54.8	1.35		Bellvue						Pine Crest	83	39	60.6	0.36	
Fort Apache	74	14	47.5	1.20	2.0	Berkeley	74	40	55.4	0.91		Placerville	74	26	49.8	2.34	
Fort Defiance	65	17	38.2	0.17	2.0	Bishop	78	21	48.0	T.		Point Ande Nuevo L. H.				0.49	
Fort Grant	88	30	51.6	0.80		Boca* ¹	56	7	32.7	2.24	21.0	Point Arena L. H.				1.15	
Fort Huachuca	79	30	56.4	0.72		Bodie	50	-14	23.4	1.68	15.0	Point Bonita L. H.				1.02	
Fort Mohave	90	38	68.1	0.00		Bowman						Point Conception L. H.				0.13	
Glababend* ¹	83	44	60.6	0.50		Branscomb						Point Fermil L. H.				0.15	
Ingleside	88	38	59.3	0.34		Campbell	77	31	58.2	0.65		Point George L. H.				3.61	
Jerome	74	30	50.2	0.50		Cape Mendocino L. H.						Point Huememe L. H.				0.12	
Maricopa* ¹	83	34	51.5	T.	Cedarville	66	20	39.2	1.42	9.0	Point Loma L. H.				0.12		
Mesa	87	31	57.2	0.73		Chico* ¹	85	40	58.3	0.24		Point Montara L. H.				0.80	
Mohawk Summit* ¹	94	30	66.8	0.18		Cisco* ¹	48	20	32.4	4.70	33.0	Point Pinos L. H.				1.18	
Mount Huachucua	78	27	52.0	0.82		Claremont	81	31	55.6	0.44		Point Sur L. H.				0.74	
Natural Bridge				1.28		Corning* ¹	80	39	54.8	0.00		Pomona (near)	90	33	59.2	0.48	
Nogales	81	25	51.5	0.24	2.0	Crescent City	80	32	48.4	7.03		Poway* ⁶	84	35	58.0	0.34	
Oracle	75	31	52.4	1.19		Crescent City L. H.</											

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>California—Cont'd.</i>	°	°	°	In.	In.	<i>Colorado—Cont'd.</i>	°	°	°	In.	In.	<i>Florida—Cont'd.</i>	°	°	°	In.	In.
Rosewood.....	81	29	53.0	0.11		Meeker.....	59	3	33.6	2.09	24.5	Quincy.....	82	21	57.3	3.97	
Sacramento.....	76	55.6	67		Mitchell.....	.....	.....	.....	0.46	8.2	Rockwell.....	85	27	62.7	5.42	
Salinas*.....	73	40	54.8	0.50	Montrose.....	51	—	5	0.54	T	St. Andrews.....	71 ¹	29	56.0*	7.98		
Salton*.....	95	47	68.3	0.00	Moraine.....	57	3	32.1	2.41	28.0	St. Augustine.....	83	24	61.0	6.52		
San Bernardino.....	91	31	57.1	0.48	Fagoda.....	66	19	39.0	1.42	0.5	St. Francis.....	90	28	60.0	4.75		
San Jacinto.....	86	31	56.0	0.38	Parachute.....	.....	.....	.....	0.60	8.3	Sebastian.....	88	37	65.5	3.35	
San Jose.....	.....	.....	0.75		Perrypark.....	.....	.....	.....	0.60	8.0	Stephensville*.....	83	30	57.6	7.70	
San Luis L. H.....	.....	.....	0.40		Rangely.....	63	8	35.0	0.57	8.0	Summer.....	82	30	60.0	8.80	
San Mateo*.....	77	44	55.2	0.75	Rockyford.....	83	10	40.8	1.00	9.0	Switzerland*.....	84	31	58.8	9.64		
San Miguel*.....	77	36	55.1	0.20	Rogers Mesa.....	70	15	38.4	0.88	5.6	Tallahassee.....	79	26	56.8	7.76		
Santa Barbara.....	83	41	59.0	0.16	Ruby.....	.....	.....	.....	5.41	88.0	Tarpon Springs.....	88	31	68.2	5.10	
Santa Barbara L. H.....	.....	.....	0.20		Saguache.....	69	5	33.2	0.27	4.0	Titusville.....	90	24	62.9	3.70	
Santa Clara.....	.....	.....	0.53		Salida.....	69	1	34.1	0.94	14.5	Wausau.....	88	24	56.5	9.48	
Santa Cruz.....	80	30	54.0	0.94	San Luis.....	63	9	33.4	0.92	9.4	Wewahitchka.....	82	27	57.0	8.88		
Santa Cruz L. H.....	.....	.....	0.95		Sapinero.....	70	6	33.0	2.83	41.2	<i>Georgia.</i>	.....	.....	.....	.....
Santa Maria.....	87	34	53.8	0.35	Sargent.....	.....	.....	.....	1.19	18.5	Adairsville.....	75	17	51.6	7.64	T.
Santa Monica.....	.....	.....	0.20		Selbert.....	.....	.....	.....	1.78	31.0	Albany.....	.....	.....	.....	5.51	
Santa Paula.....	90	37	61.0	0.42	Silt.....	62	14	36.6	1.38	11.5	Allapaha.....	81	23	55.4	5.76		
Santa Rosa*.....	80	34	52.4	0.90	Springfield.....	.....	.....	.....	0.80	9.5	Allentown.....	82	12	55.8	6.07	
Shasta.....	85	36	58.4	1.46	Sugarloaf.....	58	—	1	29.0	8.5	Americus.....	78	20	54.4	7.31		
Sierra Madre.....	88	39	59.5	1.14	Telluride.....	52	—	5	26.4	1.98	Athens b.....	74	19	49.8	4.78		
Snedden.....	.....	.....	0.20	2.0	Trinidad.....	78	9	41.5	1.51	23.0	Brent.....	79	17	53.4	7.30	
Sonoma.....	.....	.....	1.21		T. S. Ranch.....	68	19	38.0	1.78	19.2	Canton.....	.....	.....	.....	4.17	
S. E. Farrallone L. H.....	.....	.....	0.70		Twinklakes.....	.....	.....	.....	0.74	14.0	Carlton.....	.....	.....	.....	4.70	
Stanford University.....	73	35	52.8	0.87	Villas.....	.....	.....	.....	0.25	2.5	Clayton.....	78	18	47.6	8.58	T.
Stockton.....	74	34	52.6	0.36	Wagon Wheel.....	56	—	4	26.2	0.40	Covington.....	79	16	53.2	6.56	T.	
Storey.....	75	32	55.2	0.50	Walden.....	48	—	12	24.6	0.58	Dahlonega.....	74	6	47.8	6.79	T. 8.0	
Summerville.....	71	16	41.6	3.00	Wallet.....	.....	.....	.....	1.21	18.0	Diamond.....	71	10	47.0	6.91	
Susanville.....	68	21	41.8	1.50	Westcliffe.....	58	—	1	23.8	2.34	Dublin.....	.....	.....	.....	5.97	
Tehamah*.....	81	43	57.2	T.	Wray.....	79	6	37.6	2.51	18.0	Elberton.....	77	19	53.9	4.99		
Tejon Ranch.....	80	37	57.1	0.95	Yuma.....	.....	.....	.....	2.44	24.0	Experiment.....	75	19	54.0	6.04	T.
Thermalito.....	82	35	56.5	0.50	<i>Connecticut.</i>	.....	.....	.....	.....	.....	Fitzgerald.....	86	19	57.0	7.39	T.
Trinidad L. H.....	.....	.....	3.78		Bridgeport.....	54	10	36.6	6.92	2.1	Fleming.....	84	18	56.8	4.47	
Truckee*.....	62	5	34.6	2.50	Canton.....	54	—	1	32.6	5.96	Gainesville.....	72	17	48.7	6.69		
Tulare c.....	84	28	55.2	0.36	Colchester.....	55	4	35.4	6.97	0.8	Greenbush.....	76	14	50.4	8.23		
Ukiah.....	85	28	53.0	1.51	Falls Village.....	52	8	34.6	7.45	0.5	Harrison.....	81	18	55.1	5.51		
Upperlake.....	83	30	53.4	1.06	Hartford b.....	52	5	35.0	8.35	3.0	Hawkinsville.....	82	24	55.4	7.71		
Upper Mattole*.....	87	36	49.8	4.71	Hawleyville.....	54	7	35.9	6.82	2.5	Hephzibah.....	78	24	54.8	5.30		
Vacaville*.....	80	38	56.7	0.87	Lake Konomoc.....	51	10	36.6	5.38	.....	Jesup.....	85	23	57.6	6.00	
Ventura.....	86	38	58.5	0.26	Middletown.....	54	2	34.0	7.17	1.5	Lost Mountain.....	78	16	51.8	5.14		
Visalia b.....	79	29	54.2	0.32	New London.....	58	8	35.8	6.59	1.5	Louisville.....	82	20	55.3	5.01		
Volcano*.....	95	55	68.2	T.	North Grosvenor Dale.....	55	2	34.0	7.17	T.	Lumpkin.....	78	23	55.5	7.78		
Wasco.....	82	30	53.8	0.11	Norwalk.....	58	3	35.8	6.59	1.5	Marshallville.....	77	21	55.9	6.78		
West Saticoy.....	.....	.....	0.26		Southington.....	52	5	35.4	6.80	2.5	Mauzy.....	83	20	57.5	6.20	
Wheatland.....	73	33	54.0	0.77	Storrs.....	54	4	33.0	7.18	2.5	Milledgeville.....	82	20	53.2	6.87		
Williams*.....	79	43	59.4	T.	Voluntown.....	56	—	1	35.3	8.84	Miller.....	84	20	56.6	6.87		
Wilmington*.....	79	40	57.8	0.05	Wallingford.....	56	6	35.8	7.44	1.0	Morgan.....	79	20	56.3	8.25		
Wire Bridge*.....	80	32	54.8	1.17	Waterbury.....	49	—	8	30.5	7.33	Naylor.....	83	24	57.8	6.85		
Yerba Buena L. H.....	.....	.....	0.68		West Cornwall.....	.....	.....	.....	5.52	14.4	Newman.....	72	19	51.0	5.12	
Yreka.....	87	24	44.4	0.98	West Simsbury.....	.....	.....	.....	.....	.....	Oakdale.....	.....	.....	.....	2.63	
Yuba City*.....	79	40	58.6	0.47	<i>Delaware.</i>	.....	.....	.....	.....	.....	Piscola.....	80	25	58.0	6.00	
<i>Colorado.</i>	.....	.....	.....		Millsboro.....	74	10	43.0	8.80	1.0	Point Peter.....	80	15	51.1	5.12	
Alford.....	70	—	30.8	1.63	Newark.....	70	8	40.1	3.52	T.	Poulam.....	82	19	56.7	6.70		
Amity.....	.....	.....	0.20	21.5	Seaford.....	73	12	45.0	8.01	0.8	Putnam.....	78	19	56.4	6.65	T.
Arkins.....	.....	.....	1.57	19.0	Wyon.....	.....	.....	.....	4.09	1.5	Quiltman.....	83	21	56.8	6.95	
Ashcroft.....	.....	.....	1.57	38.9	<i>Florida.</i>	.....	.....	.....	.....	.....	Ramsey.....	75	14	51.0	5.84	T.
Blaine.....	85	12	42.9	6.00	Archer.....	84	24	60.0	9.95	.....	Resaca.....	.....	.....	.....	5.91	
Boulder.....	75	9	40.0	1.74	Bartow.....	90	31	62.5	3.66	.....	Rome.....	75	16	49.8	9.17	
Boxelder.....	45	—	17.8	40.3	Carrabelle.....	77	33	58.2	11.23	.....	Statesboro.....	84 ¹	21 ²	57.6	5.25	
Breckenridge.....	.....	.....	0.74	10.5	Clermont.....	89	33	63.1	9.20	.....	Talbotton.....	78	17	53.9	8.65	
Buenavista.....	.....	.....	1.53	9.0	De Funik Springs.....	80	22	57.3	8.71	.....	Thomasville.....	81	24	57.7	6.27	
Canyon.....	75	10	40.6	3.04	Deland.....	91	30	62.7	6.27	.....	Toccoa.....	75	15	47.6	8.55	
Castro rock.....	78	—	35.4	1.04	Earnestville.....	89	32	61.5	4.45	.....	Valona.....	81	22	56.8	4.37	
Cedaredge.....	75	15	38.2	1.18	Eustis.....	88	31	64.4	4.77	.....	Vidalia.....	82	21	55.8	4.49	
Cheyenne Wells.....	79	2	35.7	0.71	Federal Point.....	85	28	60.7	7.07	.....	Washington.....	85	23	55.6	8.10	
Clearview.....	55	—	24.8	2.61	Flamingo.....	90	39	59.8	.....	.....	Waycross.....	85	23	55.6	4.22	
Colibrán.....	64	10	35.5	2.44	Fort George*.....	80	33	60.3	.....	.....	Westpoint.....	76	19	54.4	5.58	T.
Colorado Springs.....	72	2	36.3	1.29	Fort Pierce.....	90	26	66.0	8.81	.....	Woodbury.....	.....	.....	.....	7.19	
Cope.....	75	10	37.7	1.18	Gainesville.....	88	25	61.0	6.97	.....	<i>Idaho.</i>	.....	.....	.....	.....
Crook.....	73	6	36.0	1.79	Huntington.....	87	31	61.4	8.81	.....	Albion.....	65	15	58.0	1.59	18.0
Delta.....	75	12	39.6	0.55	Hypoluxo.....	88	41	69.8	3.62	.....	American Falls.....	64	12	55.4	5.58	7.0
Dumont.....	.....	.....	1.22	18.0	Inverness.....	86	31	61.4	6.45	.....	Atlanta.....	55	2	35.0	1.81	14.5
Durango.....	71	1	32.7	0.04	Jasper.....	88	27	58.2	7.70	.....	Blackfoot.....	62	13	54.8	0.81	2.5
Fort Collins.....	72	—	35.7	1.88	Kissimme.....	88	33	63.3	3.51	.....	Burnside.....	45	9	26.0	0.75	7.5
Fort Morgan.....	75	6	35.9	1.07	Lake Butler.....	85	28	61.2	8.27	.....	Cambridge.....	63	19	39.8	0.50	.....
Fox.....	.....	.....	2.40	2.40	Lake City.....	84	24	60.6	7.78	.....	Chesterfield.....	56	6	28.1	1.01	8.0
Gleneyrie.....	69	4	35.8	1.68	Miami.....	86	25	61.0	6.97	.....	Downey.....					

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>Idaho—Cont'd.</i>							<i>Indiana—Cont'd.</i>						<i>Iowa—Cont'd.</i>							
Soldier	45	—	25.5	1.18	12.0		Bright	66	3	89.6	1.96	T.	Danville	○	○	○	Ins.	Ins.		
Swan Valley	51	15	31.2	0.88	4.4		Butlerville	75	4	48.6	2.95	T.	Decorah	57	—	4	30.6	2.65	2.0	
Weston	63	15	37.0	0.60	2.5		Cambridge City	73	1	39.4	2.48	1.6	Delaware	64	—	1	30.3	2.16	8.0	
<i>Illinois.</i>							Columbus	75	5	42.8	2.48	1.1	Denison	69	—	7	38.1	1.69	15.7	
Albion	74	9	41.0	4.00	1.5		Connersville	75	1	38.4	2.48	1.2	Desoto	66	—	4	36.4	1.82	17.0	
Aledo	68	7	36.9	2.72	8.2		Delphi	73	8	36.8	3.43	3.5	Dows	63	—	4	32.5	8.81	15.0	
Alexander	71	9	40.8	2.75	1.8		Edwardsville*	75	9	46.0	3.57	0.2	Eldon	69	6	37.7	2.83	2.9		
Ashton	66	3	32.8	8.12	7.2		Fairmount	72	2	37.8	3.37	1.5	Elkader	65	0	38.4	2.62	16.0		
Astoria	71	9	39.2	8.07	0.2		Farmland	72	3	38.6	2.49	3.0	Emerson				4.50			
Aurora a	67	8	34.3	4.11	4.3		Franklin*	73	7	41.5	2.36	2.0	Estherville	60	—	6	30.3	1.15	9.1	
Beardstown							Greencastle	67	5	40.0	3.58	1.4	Fayette	61	—	4	31.3	8.35	14.5	
Bloomington	73	6	39.7	4.04	3.4		Greensburg	70	0	41.0	3.86	1.2	Fonda				3.56	30.6		
Bushnell	71	9	38.8	2.85	T.		Hammond	66	2	36.0	5.26	0.9	Forest City	67	—	6	30.4	1.95	14.0	
Cambridge	68	6	35.4	3.11	4.2		Hector	71	0	37.8	1.65	3.0	Fort Dodge	62	0	32.4	1.50	15.0		
CarlINVILLE	71	10	41.8	4.15	3.5		Huntington	70	3	36.4	4.58	9.0	Fort Madison				8.75	1.0		
Carlyle							Jeffersonville	78	10	46.0	3.45	T.	Fruitland	70	5	36.2	2.15	8.0		
Centralia	72	12	45.6	3.85	T.		Knightstown	70	8	37.4	3.65	8.0	Galva	65	—	2	32.5	3.40	8.0	
Charleston	72	6	41.8	3.82	0.8		Kokomo	69	5	37.6	3.59	2.8	Gilmor				2.17			
Chemung	62	0	30.8	4.54	10.0		Lafayette	70	3	38.7	5.25	3.5	Glenwood	71	7	37.4	1.75	15.2		
Chester							Laporte	67	3	35.2	4.10	6.5	Grand Meadow	56	—	3	31.8	2.55	12.5	
Cline	71	10	43.7	3.64	T.		Logansport	69	8	37.8	3.29	1.0	Greene	62	—	2	32.2	2.24	6.0	
Coatsburg	71	9	39.9	8.09	0.8		Madison a	76	6	44.0	3.74	4.0	Greenfield	68	5	36.2	2.32	10.5		
Cobden	74	10	46.6	5.73	T.		Marengo	77	8	45.0	3.48	0.2	Grinnell	64	4	34.3	2.98			
Danville	71	15	42.5	2.28	0.5		Marion	73	2	38.6	3.95	4.2	Grinnell (near)	65	2	34.0	3.20	8.0		
Decatur	71	7	40.2	8.25	0.5		Markle	71	1	37.8	3.55	3.5	Grundy Center	65	6	32.7	3.17	5.0		
Dixon	70	4	35.6	2.98	3.7		Mauzy	73	0	40.4	3.25	4.5	Guthrie Center	66	6	35.4	1.55	15.5		
Dwight	69	4	36.8	3.17	2.5		Mount Vernon	80	14	45.2	3.74	T.	Hamburg				1.78	4.3		
Effingham	68	8	41.4	8.32	1.0		Northfield	70	2	38.4	4.00	2.0	Hampton	68	—	3	38.4	3.38	21.0	
Equality	74	11	37.8	8.26	T.		Paoli	79	5	44.1	3.87	0.5	Harlan	68	4	34.8	3.26	29.3		
Flora	74	9	43.6	8.46	0.8		Prairie Creek	71	8	43.6	3.30		Hawkeye				2.10	19.0		
Friendgrove*	70	12	43.2	4.39			Princeton	76	10	43.1	3.55	1.0	Hedrick	68	5	35.6	2.40	7.0		
Galva	69	4	35.8	2.70	4.6		Richmond	75	2	40.7	2.74	T.	Hopeville	60	—	2	35.6	2.76		
Grafton							Rockville	72	5	40.2	3.87	T.	Hoprig				1.02	7.8		
Greenville	71	10	42.8	3.38	1.0		Salem	80	5	45.0	3.88	1.0	Humboldt	60	—	2	38.8	1.80	15.8	
Griggsville	74	10	41.8	3.25			Scottsburg	77	8	45.0	3.26	T.	Independence	64	—	2	32.0	1.62	11.0	
Halfway	74	18	46.0	3.86	0.5		Seymour	72	5	43.0	3.80	T.	Indianola	66	4	36.5	2.47	10.8		
Halliday	72	12	47.6	4.21	0.7		Shelbyville	78	5	40.2	3.07	T.	Iowa City	68	8	35.8	3.62	7.5		
Havana	64	8	39.6	7.80	0.5		South Bend	68	1	35.4	4.32	8.5	Iowa Falls	68	—	2	31.3	2.13	15.5	
Henry	72	5	37.7	8.97	11.0		Syracuse	68	0	35.2	4.41	8.5	Keosauqua	69	11	38.8	3.12	9.5		
Hillsboro	71	10	41.0	8.05	T.		Terre Haute	71	8	42.4	4.39	T.	Knoxville	67	2	36.8	3.34	9.5		
Joliet	67	5	35.2	3.63	5.8		Vevey	76	7	44.6	3.07	0.2	Laconia				3.85	12.8		
Kishwaukee	66	—	33.4	8.93	7.0		Vevay	76	3	38.4	4.10	T.	Lansing	58	—	2	38.0	3.73	20.6	
Knoxville	70	3	35.6	2.55	1.9		Washington	74	10	42.1	3.52	T.	Larrabee	65	—	2	32.6	1.98	12.1	
Lagrange	68	3	34.6	8.78	4.8		Winamac	70	10	41.6	2.48	2.0	Leclaire				2.53	5.0		
Lamar	70	10	39.3	2.24	2.0		Worthington	73	7	42.3	3.91	2.1	Lemars	68	1	34.4	1.06	6.5		
LoamI												Lenox	67	6	36.0	2.50	4.5			
McLearnsboro	75	18	44.7	3.79	T.							Maple Valley				1.42	11.5			
Martinsville	69	9	41.6	1.28	T.							Maquoketa	66	1	35.4	3.03	6.0			
Martin	70	3	37.4	4.06	T.							Marshalltown	67	—	2	35.0	3.71			
Mescontah	70	14	43.8	3.10								Monticello	59	5	32.6	3.38	13.5			
Mattoon	70	10	42.9	2.48	0.4							Moar	59	—	2	35.8	3.04	15.5		
Minonk	68	5	37.0	3.60	4.5							Mount Pleasant	69	3	37.0	2.88				
Monmouth	69	5	36.2	2.00	1.8							Mount Vernon b	66	0	38.5	3.32	13.5			
Morgan Park												New Hampton	58	—	4	30.2	1.65	14.0		
Morrisonville	69	8	40.8	5.20	0.7							Newton	68	3	34.2	3.47	16.0			
Mount Carmel												Northwood	60	—	5	32.5	2.25	19.0		
Mount Pulaski	71	8	40.0	8.68	1.8							Odebolt	69	3	34.7	2.98	23.5			
Mount Vernon	70	9	42.1	3.79	T.							Ogden	64	0	33.6	1.61	11.5			
New Burnside	75	11	47.1	3.72	T.							Olin	64	2	32.7	3.41	8.5			
Oiney	72	9	48.8	4.24	5.2							Onawa	73	5	36.2	2.86				
Ottawa	71	7	37.6	3.51	4.5							Osage	51	—	5	29.1	2.50	15.2		
Palestine	76	9	41.4	5.57	T.							Oskaloosa	69	5	36.1	2.84	4.9			
Pana	71	9	41.6	3.71	T.							Ottimwza	70	—	3	38.0	3.40	8.0		
Paris	71	7	39.9	3.87	2.0							Ovid	69	7	35.2	2.75	8.7			
Peoria a												Pacific Junction	71	7	36.4	2.70	21.5			
Peoria b	72	10	38.7	4.31	T.							Pella	78	5	36.2	2.84				
Philo	73	6	39.6	3.11								Perry	66	4	35.4	1.60	16.0			
Plumbill	70	18	44.0	3.12	T.							Plover	60	0	31.8	2.75	27.5			
Rantoul	72	5	38.4	8.98	1.6							Primghar	71	—	5	36.1	5.25	27.5		
Raum	76	10	47.0	4.10	3.0							Redoak	65	2	32.1	4.28	17.7			
Riley	68	0	32.0	3.38	3.5							Ridgeway	56	—	5	34.6	2.85	28.0		
Robinson	72	9	42.9	3.95	T.							Rockwell City	68</td							

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.							
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.						
Iowa—Cont'd.						Kentucky—Cont'd.						Maryland—Cont'd.											
Whitten.....	0	0	0	In.	5.5	Manchester.....	0	0	0	In.	1.0	Easton.....	0	0	0	In.	In.						
Wilton Junction.....	52	— 21	31.5*	0.70	5.5	Marrowbone.....	50	44	48.1 ³	2.51	0.5	Fallston.....	77	14	44.6	2.19	0.2						
Winterset.....	64*	5	35.8	3.21	5.0	Maysville.....	51	9	46.0	3.92	0.5	Frederick.....	73	10	42.0	4.68							
Kansas.	0	0	34.8*	4.13	19.0	Mount Sterling.....	76	22	43.8*	2.23	0.2	Frostburg.....	69	3	38.7	4.26	7.0						
Abilene.....	79	13	41.9	2.60	8.0	Owensboro.....	79	12	48.1	5.14	T.	Grantsville.....	68	5	36.4	4.99	8.0						
Achilles.....	83 ¹	20	37.7*	1.95	10.5	Owenton.....	72	4	41.6	3.63	0.7	Greatfalls.....	74	7	43.5	2.95							
Altoona.....	85	9	44.3	2.76	T.	Paducah a.....	80	15	48.2	3.88	T.	Greenspring Furnace.....	71	6	41.2	3.71	1.3						
Anthony.....	79	—	31	3.0		Paducah b.....	76	8	47.0	4.09	T.	Hagerstown.....	74	6	43.1	4.06							
Atchison a.....	79	13	40.2	2.45	5.5	St. John.....	76	3	42.8	2.39	T.	Hancock.....	77	1	41.0	3.28	2.2						
Beloit.....	75	7	37.8	1.35	8.0	Scott.....	74	4	44.2	3.56	T.	Harney.....	75	—	5.20	0.5							
Burlington.....	85	10	44.4	1.45	....	Shelby City.....	73	7	46.0	4.73	3.1	Jewell.....	75	11	45.0	3.52	T.					
Chanute.....	86	10	47.4	4.20	T.	Shelbyville.....	79	6	44.0	2.93	4.8	Johns Hopkins Hospital.....	70	8	41.5	1.13	....					
Colby.....	89	0	37.7	2.25	18.8	Warfield.....	76	8	49.0	4.45	T.	Laurel.....	77	7	48.6	3.50	T.						
Coolidge.....	83	10	40.4	0.90	3.0	Williamsburg.....	76	—	—	—	—	McDonogh.....	73	7	42.0	5.40	2.0						
Delphos.....	81	10	41.6	1.22	7.0	Louisiana.						Mount St. Marys Coll.	71	7	42.6	3.15							
Dresden.....	83	8	39.1	2.02	13.2	Abbeville.....	84	33	61.0	4.10		Newmarket.....	74	13	47.3	3.83	0.8						
Ellinwood.....	85	11	41.9	1.18	8.0	Alexandria.....	83	26	57.2	4.10		Pocomoke.....	74	9	45.4	3.83	1.0						
Emporia.....	77	14	44.3	2.00	T.	Amite.....	84	23	59.0	4.23		Prince Fredericktown.....	74	10	45.9	4.18	2.0						
Englewood.....	88	9	45.5	1.19	6.0	Baton Rouge.....	84	29	58.4	3.92		Princess Anne.....	74	12	44.4	1.75	T.						
Eureka.....						Burnside.....	85	23	59.6	4.02		Rockhall b.....	78	12	45.5	3.75	T.						
Eureka Ranch.....	86	4	39.6	1.36	8.0	Calhoun.....	82	28	57.2	3.53		Sharpsburg.....	81	15	45.0	3.06	1.0						
Fallriver.....	85	8	45.6	3.42	T.	Cheneyville.....	84	30	59.4	2.80		Solomons.....	73	11	44.8	2.68							
Fort Leavenworth.....	79*	11	42.4*	1.40	1.8	Clinton.....	84	23	59.2	2.02		Sudlersville.....	78	—	9	38.2	4.93	17.8					
Garden City.....	81	9	40.8	2.65	9.5	Como.....	82 ²	23	55.2*	2.44		Sunny-side.....	76	—	—	—	—	Takoma Park.....	77	10	43.4	3.32	
Gove *.....	83	14	39.0	1.50	....	Covington.....	86	27	57.4	3.79		Taneytown.....	75	9	41.8	4.42	1.0					
Grenola.....	85	5	44.7	2.89	T.	Donaldsonville.....	86	30	61.1	3.60		Van Bibber.....	89	11	41.7	4.54	....					
Harrison.....	80	7	39.8	1.62	12.0	Emmelle.....	73	31	58.9	3.09		Westernport.....	70	3	37.6	3.24	2.8						
Horton.....	77	12	40.0	1.26	3.0	Farmerville.....	86	26	58.4	2.25		Westminster.....	73	7	41.6	3.56	T.						
Hoxie.....	84	8	39.0	2.11	19.6	Franklin.....	84	30	59.4	2.80		Woodstock.....	73	10	45.0	1.91	T.						
Hutchinson.....	84	10	43.3	1.73	2.0	Grand Coteau.....	81	29	59.2	2.02		Massachusetts.											
Independence.....	83	11	45.8	3.76	T.	Hammond.....	84	25	55.6	3.12		Attleboro.....											
Jetmore.....	87	6	42.6	0.59	1.5	Houma.....	83	33	61.8	2.10		Bedford.....	56	5	34.6	5.10	3.0						
Lakin.....	85	12	41.4	0.61	4.0	Jeanerette.....	83	39	61.0	2.25		Bluehill (summit).....	56	4	33.2	7.36	0.9						
Lawrence.....	80	12	42.3	3.37	4.0	Jennings.....	84	30	58.4	2.24		Cambridge.....	59	6	35.7	6.74							
Lebanon.....	75	7	38.6	1.40	6.0	Lafayette.....	82	29	58.1	3.81		Chestnut Hill.....	58	5	36.0	7.25	T.						
Lebo.....	81	12	42.2	2.24	T.	Lake Charles.....	86	31	58.7	3.27		Cohasset.....											
Lecti.....	84	—	—	1.05	8.0	Lake Providence.....	83	22	57.8	6.22		Concord.....	57	8	33.8	3.89	1.3						
Little River.....	83	13	42.3	1.30	3.9	L'Argent.....	81	25	58.3	2.10		East Templeton *1.....	52	1	30.6	3.47	9.0						
Macksville.....	82	9	41.6	0.69	0.7	Lawrence.....	81	34	58.8	4.33		Fall River.....	55	10	37.2	7.34	0.5						
McPherson.....	84	18	42.6	1.65	2.0	Liberty Hill.....	85	24	57.6	2.89		Fitchburg a*1.....	50	4	32.2	5.06	9.0						
Madison.....	85	15	43.6	2.05	....	Ruston.....	83	25	55.4	3.10		Fitchburg b*1.....	52	1	32.8	4.98	7.0					
Manhattan c.....	12	—	—	1.80	7.5	Schriever.....	85	26	57.9	4.10		Framingham.....	53	3	35.2	6.41	....					
Marion.....	76	12	43.8	1.70	3.0	Plain Dealing.....	86	19	54.4	2.79		Groton.....	52	1	32.5	5.41	5.5						
Medicine Lodge.....	87	11	45.0	0.51	2.5	Prevost.....	87	—	60.8	4.15		Hyannis.....											
Minneapolis.....	82	10	41.3	1.18	4.0	Rayne.....	87	29	60.8	4.15		Jefferson.....											
Moran.....	78	11	42.8	2.46	T.	Reserve.....	85	30	56.4	2.10		Lawrence.....	57	3	34.0	4.98	3.0						
Mount hope *1.....	81	16	43.5	0.53	1.0	Opelousas.....	85	31	58.0	3.82		Leeds.....	54	— 8	32.2	6.14	6.5						
Ness City.....	85	12	42.8	0.44	1.2	Oxford.....	83	23	56.2	3.28		Leominster.....	55	5	35.1	5.48	8.0						
Newton.....	84	7	41.6	0.95	1.0	Paincourtville.....	85	30	58.8	2.89		Lowell a.....	55	3	34.9	5.76	....					
Norwich.....	85	10	45.2	0.20	T.	Plain Dealing.....	86	19	54.4	2.79		Lowell b.....	57	2	35.3	7.38	0.4						
Oberlin.....				3.05	19.0	Prevost.....	87	—	60.8	3.07		Ludlow Center.....	50	— 4	39.6	6.00							
Olathe.....	80	11	42.8	2.71	8.5	Rayne.....	87	29	60.8	4.15		Middleboro.....	57	—	35.3	7.38	0.4						
Osage City.....	83	10	43.0	1.36	0.2	Reserve.....	85	30	56.4	2.10		Monson.....	55	4	35.1	5.96	2.5						
Osborne.....	84	18	42.6	1.65	2.0	St. John.....	84	25	57.8	3.45		New Bedford a.....	58	10	36.8	7.85	1.5						
Oswego.....	84	9	45.7	5.04	T.	Southern University.....	73	—	—	4.41		Pittsfield.....	47	— 6	30.0	4.96	6.0						
Ottawa.....	87	10	43.0	2.74	2.0	Sugar Ex. Station.....	80	30	58.8	3.13		Plymouth *1.....	57	10	33.3	6.84							
Phillipsburg.....	86	12	46.4	0.16	0.2	Sugartown.....	89	30	58.6	4.68		Princeton.....	55	11	36.0	5.00	6.5						
Rome.....	82	12	46.4	1.98	13.0	Venice.....	80 ¹	35 ²	52 ³	5.88		Provincetown.....	55	7	35.6	1.8							
Salina.....	84	10	41.4	4.43	9.0	Wallace.....	84	31	60.6	2.96		Salem.....	58	7	37.6	7.58	0.2						
Sedan.....	83	—	45.2	2.77	T.	White Sulphur Springs.....				3.27		Somerset *1.....	58	4	34.6	5.92	3.0						
Seneca.....	79	11	39.8	1.40	6.0	Maine.				3.27		Springfield Armory.....	56	5	37.9	8.35							
Toronto.....	85	9	43.5	1.90	0.8	Bar Harbor.....	51	— 2	30.2	10.30	11.0	Sterling.....											
Tribune.....	81 ¹	9 ¹	36.9 ¹	0.20	2.0	Belfast * ²	47	— 2	28.3	7.80	10.5	Taunton.....	56	8	35.0	8.92	....					
Ulysses.....	88	10	45.8	1.41	7.1	Bemis.....	44 ²	— 4	34.0 ⁴	5.20	15.0	Webster.....											
Valley Falls.....	78	10	42.3	1.30	3.5	Calais.....	49	— 9	25.3	5.29	28.2	Westboro.....	56	10	36.2	5.77	1.0						
Viroqua.....	85	13	42.6	0.52	3.0	Carmel.....	52	— 18	29.5	3.75	7.0	Weston.....	58	5	35.6	6.90	1.3						
Wakeeney (near) *1.....	80	14	38.8	1.42	9.2	Cornish.....	51	— 1	30.3	5.70	16.2	Williamstown.....	49	4	30.6	4.58	8.7						
Wallace.....				3.60	4.0	Fairfield.....	48	— 18	27.8	4.54	12.0	Winchendon.....											
Wamego *1.....	79	14	40.4	1.70	9.7	Farnington.....	53	— 22	28.2	2.75	30.0	Worcester.....	54	4	34.0	5.33	2.0						
Winfield.....	85	9	47.2	1.04	T.	Gardiner.....	49	— 7	29.8	6.25	13.0	Michigan.											
Yates Center.....	83	5	43.8	0.92	T.	Kineo.....	44	— 20	19.4	1.45	10.5	Adrian.....	72	0	33.6	2.37	2.5						
Kentucky.						Lewiston.....	50	— 5	29.8	5.14	13.4	Agricultural College.....	68	— 5	31.1	2.94	5.7						
Alpha *5.....	79	7	48.6	3.97	T.	Boettcherville.....	72	10	40.3	6.99													

TABLE II.—Climatological record of voluntary and other cooperating observers.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations	Temperature. (Fahrenheit.)			Precipita- tion.			
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		
<i>Michigan—Cont'd.</i>							<i>Minnesota—Cont'd.</i>							<i>Mississippi—Cont'd.</i>							
Clinton	71	-1	34.3	1.76	16.0		Caledonia	49	-8	28.8	2.04	15.0		Walnutgrove	83	23	56.6	2.01	Ins.	Ins.	
Coldwater	69	-1	31.1	2.71	6.0		Collegeville	50	-12	28.1	1.52	14.0		Watervalley	83	22	53.8	3.83	T.		
Deerpark	44	-3	22.2	3.85	27.4		Crookston	47	-12	24.7	0.20	2.0		Waynesboro	80	22	58.2	5.60			
Detour	43	-10	23.2	2.63	25.0		Currie	60	-5	29.3	.....			Yazoo City	81	23	55.5	4.55		
Dundee	70	-2	35.0	2.13	T.		Deephaven	.....						<i>Missouri.</i>						
Eagle Harbor	39	-10	22.6	0.68	6.7		Detroit City	50	-12	25.6	1.38	7.0		Appleton City	75	11	43.7	3.97	5.6		
East Tawas	48	4	31.8	3.28	19.5		Faribault	55*	-9	28.8	0.80	11.3		Arthur	78	14	44.6	3.82	T.		
Eloise	67	-1	34.0	2.61	3.0		Farmington	54	-13	29.0	1.58	12.0		Avalon	70	10	42.9	3.07	2.2		
Ewen	49	-16	22.1	1.20	12.0		Fergus Falls	50	-7	27.5	1.50	7.2		B. gnell	.....				5.25	
Fairview	64	-2	30.4	1.27	2.7		Glenoce	56	-2	28.4	0.59			Bethany	70	11	38.8	2.97	3.6		
Fitchburg	69	-4	31.4	2.63	6.0		Grand Meadow	56	-9	27.4	4.17	26.0		Birchtree	70	11	38.8	3.72	3.9		
Flint	66	-4	30.6	1.52	1.5		Hallcock	43	-16	21.5	1.19	3.0		Boonville	70	13	39.4	3.67	T.		
Frankfort	40	-1	28.0	1.50	12.0		Hovland	.....						Carrollton	71	13	40.5	2.27	2.0	
Gaylord	49	-8	22.2	2.95	23.0		Lake Jennie	52	-7	28.8	2.00	12.0		Conception	75	5	37.4	3.39	14.0		
Gladwin	53	-3	27.4	3.55	9.5		Lakeside	51	-8	29.3	1.40	11.5		Cook Station	80	9	44.6	2.00	T.		
Grand Rapids	63	0	32.4	3.64	5.5		Lake Winnibigoshish	50	-20	21.8	2.80	17.3		Cowgill	64	17	38.6	4.30	.....	
Grape	71	0	33.2	2.22	8.7		Leech	50	-18	22.4	3.24	15.0		Darksiville	63	14	37.7	0.5	3.9		
Grayling	51	-18	28.6	2.70	27.0		Leroy	52	-10	28.0	2.00			Downing	78	8	42.2	3.32	1.8		
Hanover	70	-2	33.0	3.23	8.6		Long Prairie	50	-11	26.4	2.03	10.8		Edgehill	80	15	46.6	4.37	1.0		
Harbor Beach	53	-6	28.4	1.75	6.0		Luverne	65	-2	33.1	1.10	6.0		Edwards	76	9	38.8	3.54	6.4		
Harrison	49	-9	26.2	2.86	21.6		Lynd	60	-7	30.7	0.86	6.1		Eightmile	71	12	44.2	3.79	1.0		
Harrisville	51	-10	25.8	4.44	16.9		Mapleplain	52	-9	28.0	2.28	18.3		Fairport	73	13	41.0	3.98	3.7		
Hart	54	2	29.4	5.13	6.5		Milan	60	-7	30.5	1.07	4.5		Fayette	73	14	43.6	3.97	T.		
Hastings	63	-5	32.6	3.31	5.5		New London	50	-10	27.4	1.11	7.5		Fulton	73	13	40.1	3.61	5.0		
Hayes	60	-5	28.2	1.78	8.0		New Richland	52	-6	31.4	.....			Galen	76	15	43.7	4.14	T.	
Highland Station	.....			2.40	6.0		New Ulm	61	-5	29.4	1.33	9.0		Glasgow	72	14	40.6	4.15	6.0	
Hillsdale	63	-2	33.4	2.85	4.0		Park Rapids	50	-15	23.2	1.98	16.0		Gorin	73	13	41.0	4.05	14.0		
Humboldt	43	-20	16.5	1.01	9.0		Pine River	49	-16	23.2	1.43	14.4		Halfway	80	7	44.4	4.59	3.0		
Ionia	59	-7	31.0	2.23	1.5		Pipestone	60	-10	29.9	0.83	1.9		Harrisonville	80	10	40.4	3.72	5.2		
Iron River	41	-14	18.6	3.25	23.0		Pleasant Mounds	55	5	31.3	0.89	9.0		Hazehurst	70	13	40.1	1.96	6.5		
Ishpeming	43	-14	19.0	2.90	29.0		Pogekama Falls	50	-28	18.4	4.11	24.5		Hermann	71	12	45.6	2.71	T.		
Ivan	53	-13	24.6	1.53	8.5		Redwing	52	-7	31.5	1.19	10.5		Houston	80	9	45.2	3.76	T.		
Jackson	60	-1	33.7	2.37	4.0		Redwing	52	-7	31.5	1.19	9.5		Irena	70	11	44.9	4.93	0.9		
Jeddo	63	-3	30.6	1.80	3.5		Reeds	.....						Ironeton	80	11	44.9	4.08	2.2	
Kalamazoo	63	1	34.8	1.91	1.0		Rolling Green	53	-5	29.6	1.77	14.0		Kidder	72	11	39.2	3.84	7.2		
Lake City	49	-20	25.0	2.70	27.0		St. Charles	52	-5	29.0	1.30	9.0		Kishkonong	81	11	47.8	4.55	T.		
Lansing	63	-3	31.4	2.07	8.2		St. Cloud	65	-8	31.6	1.31	7.0		Lamar	82	11	45.6	4.90	2.0		
Lapeer	64	-6	30.9	1.80	1.0		St. Peter	60	-7	30.8	0.87	5.0		Lebanon	79	10	44.6	4.00	T.		
Lathrop	46	-14	21.2	3.80	33.5		Sandy Lake Dam	51	-17	22.6	2.12	19.3		Lexington	76	12	44.0	4.41	8.0		
Lincoln	45	-11	24.7	3.98	27.0		Shakopee	54	-6	30.1	1.68	13.0		Liberty	79	10	40.8	3.76	5.4		
Ludington	54	-5	30.8	2.25	6.0		Thief River Falls	.....						Louisiana	75	13	43.6	3.73	1.0	
MacKinac Island	92	-10	33.2	3.15	25.0		Tower	47	-25	22.2	2.80	28.0		McCune	73	13	41.8	4.48	7.5		
Mackinaw	50	1	30.4	2.82	19.0		Two Harbors	51	-16	22.6	2.10	16.0		Maccon	73	8	41.2	4.57	2.5		
Madison	70	0	33.7	2.36	4.3		Wabasha	49	-7	27.3	2.88	21.0		Marblehill	76	10	45.6	3.81	T.		
Mancelona	53	-6	25.0	2.85	26.5		Warroad	49	-19	18.6	0.63	6.0		Marshall	72	13	42.2	4.35	0.5		
Manistee	53	-2	27.8	4.40	21.0		White Bear	.....						Maryville	72	11	36.4	4.18	20.5	
Manistique	45	-10	24.4	3.83	17.5		Willmar	53	-7	28.9	0.87	3.5		Mexico	74	4	41.4	3.11	1.8		
Menominee	48	-7	26.6	3.45	23.5		Willow River	50	-14	24.4	2.39	22.0		Montgomery	70	14	40.3	3.57	T.		
Mount Clemens	63	0	30.0	0.78	.....		Winnebago City	57	-6	29.2	1.51	10.5		Mineralspring	79	11	45.6	4.11	1.5	
Mount Pleasant	50	-5	29.2	2.54	7.7		Wortlington	55	-5	31.0	1.76	7.0		Montreal	80	15	45.2	3.93	T.		
Muskegon	58	1	30.8	8.20	5.0		Zumbrota	54*	-13	29.4	.....			Mount Vernon	81	12	45.7	6.18	4.0	
Newberry	55	-4	24.6	1.40	18.0		<i>Mississippi.</i>							Neosho	82	6	40.6	4.54	2.0		
North Marshall	68	-2	32.3	2.35	0.5		Agricultural College	89	21	54.1	3.20	T.		Nevada				3.45		
Northport	55	-2	28.2	2.20	18.0		Batesville	81	19	58.0	5.33			New Haven	75	14	44.7	3.46	T.		
Old Mission	57	-1	36.8	3.21	18.5		Bay St. Louis	76	32	58.7	3.49			New Madrid	74	16	44.0	3.79	T.		
Olivet	65	-1	31.5	2.78	1.9		Biloxi	78	32	59.6	4.37			New Palestine	74	12	44.2	3.02	3.6		
Omer	53	-11	26.0	3.40	6.0		Booneville	75	18	49.0	5.03			Oakfield	74	10	46.1	3.76	T.		
Onaway	51	-14	24.6	2.51	14.5		Brookhaven	84	21	57.4	4.60			Olden	79	10	43.6	4.62	10.8		
Ontonagon	34	-10	17.3	1.80	18.0		Canton	80	25	55.8	3.23			Oregon	78	14	40.0	2.31	1.8		
Ovid	68	-4	30.8	3.03	3.0		Cleveland	.....						Palmyra	74	9	42.4	4.00	1.0	
Owosso	68	-6	32.0	2.85	1.0		Columbus	77	-24	53.0	5.58			Phillipsburg	74	9	49.4	4.48	T.		
Petoskey	53	-2	25.7	2.35	23.5		Crystalsprings	81	24	54.8	3.83			Pine Hill	70	11	40.8	3.78	T.		
Port Austin	53	-4	28.4	1.44	3.5		Edwards	81	26	57.9	3.45			Poplarbluff	80	11	49.4	4.80	T.		
Powers	46	-14	23.9	2.35	23.5		Fayette	78	26	54.6	4.40			Potosi	79	-1	40.8	3.98	1.0		
Reed City	47	-10	26.0	2.88	19.0		Greenville	50	26	58.8	3.17			Richmond	75	15	41.2	3.85	8.0		
Rosecommon	50	-2	25.2	5.20	6.0		Greenville	77	27	55.7	4.45			Rockport	72	12	42.2	3.32	1.1		
Saginaw	61	-5	31.3	3.54	6.7		Hernando	79	18	52.0	3.20			Rolla	72	12	43.				

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Montana—Cont'd.</i>						<i>Nebraska—Cont'd.</i>						<i>Nevada—Cont'd.</i>					
Billings.....	69	3	35.0	Ins.	Ins.	Harvard.....	71	8	36.8	1.68	10.0	Fenelon.....	0	0	0	Ins.	Ins.
Boulder.....	59	-3	32.7	0.21	2.8	Hastings*1.....	74	10	36.4	0.95	12.5	Glenbrook.....	.....	.....	.....	0.90	9.0
Buzeman.....	60	-3	32.5	1.21	18.5	Hayes Center.....	.....	.....	.....	2.35	23.5	Golconda*1.....	68	22	42.3	1.23	12.3
Butte.....	58	-6	30.2	1.65	16.5	Hay Spring.....	65	0	34.0	2.09	17.9	Halleck*1.....	63	18	35.5	0.10	1.0
Canyon Ferry.....	64	0	35.0	0.81	.....	Hebron.....	80	8	38.2	1.47	8.0	Hamilton.....	57	7	30.8	0.70	7.0
Chester.....	63	-20	32.8	0.10	1.0	Hickman.....	.....	.....	.....	1.00	10.0	Hawthorne.....	70	14	43.8	0.05	0.5
Chinook.....	70	-2	35.7	0.33	2.3	Holdrege.....	79	13	38.8	4.25	26.5	Hot Springs*1.....	71	22	43.7	T.	T.
Clemens.....	58	-11	33.4	0.90	9.0	Hooper*1.....	70	9	35.0	1.15	11.1	Humboldt*1.....	67	26	42.7	0.00	.....
Columbia Falls.....	60	10	36.4	2.69	7.0	Imperial.....	79	-3	36.5	2.43	.....	Lee.....	.....	.....	.....	2.52	12.0
Corvallis.....	56	16	38.0	0.05	0.5	Johnstown.....	.....	.....	.....	1.76	11.5	Lewers Ranch.....	70	18	41.6	1.96	15.5
Crow Agency.....	70	5	39.0	1.00	10.0	Kearney.....	.....	.....	.....	2.15	11.0	Lovelock*1.....	90	27	44.8	0.60	.....
Culbertson.....	.....	.....	.....	0.12	T.	Kennedy.....	73	0	35.2	1.45	14.5	Mill City.....	.....	.....	.....	T.	T.
Dell.....	56	8	29.6	0.56	5.6	Kimball.....	68	6	33.2	1.90	19.0	Monitor Mill.....	61	5	32.1	0.33	4.0
Dillon.....	63	-2	35.0	0.96	9.1	Kirkwood*1.....	73	5	31.8	1.02	3.2	Owyhee.....	63	9	35.4	0.03	7.9
Fort Benton.....	63	14	37.2	0.40	4.0	Laclede.....	.....	.....	.....	2.46	9.5	Pahsade*1.....	65	20	37.5	0.39	8.0
Fort Logan.....	59	-5	32.4	0.72	.....	Lena.....	.....	.....	.....	2.61	10.4	Potts.....	62	0	34.4	0.56	6.2
Glasgow.....	66	-5	33.4	T.	T.	Lexington.....	81	1	36.0	3.53	18.7	Reno State University.....	65	20	39.2	0.39	8.1
Glendive.....	67	-3	33.6	0.81	5.0	Lodgepole.....	73	0	34.7	2.80	28.0	Sodaville.....	72	21	43.8	0.20	1.0
Glenwood.....	60	-3	31.8	2.15	21.5	Loup.....	.....	.....	.....	2.49	10.0	Tecoma.....	.....	.....	.....	0.50	5.0
Greatfalls.....	63	-1	37.7	0.38	3.2	Lynch.....	78	-8	34.9	0.97	3.0	Toano*1.....	60	10	36.2	0.50	5.0
Kipp.....	61	-10	32.8	0.84	8.1	McCook*1.....	75	10	31.7	1.75	16.0	Tybe.....	62	15	37.6	0.20	2.0
Manhattan.....	68	-5	31.8	0.70	7.0	McCool.....	.....	.....	.....	2.10	8.0	Verdi*1.....	58	12	40.0	0.60	6.0
Martinsdale.....	66	-4	32.8	1.10	11.0	Madison.....	75	6	35.6	1.80	11.5	Wadsworth*1.....	70	20	47.8	0.00	.....
Marysville.....	54	-7	30.6	1.20	12.0	Marquette.....	.....	.....	.....	1.90	19.0	Wells*1.....	60	20	37.2	1.10	8.0
Missoula.....	63	11	38.3	1.41	11.5	Mason City.....	.....	.....	.....	2.50	10.0	Wood.....	63	7	33.4	1.79	4.0
Parrot.....	52	-14	26.5	1.98	15.8	Werriman.....	.....	.....	.....	3.15	11.5	New Hampshire.....	.....	.....	.....	.....	.....
Plains.....	63	2	31.8	0.28	2.4	Minden a.....	79	6	35.8	2.51	14.2	Alstead.....	.....	.....	.....	4.64	13.5
Poplar.....	63	16	37.9	0.65	3.0	Monroe.....	.....	.....	.....	1.32	6.5	Berlin Mills.....	49	-21	24.6	3.34	22.8
Ridge lawn.....	66	-5	32.2	T.	T.	Nebraska City b.....	76	11	38.5	1.91	.....	Bethlehem.....	51	-5	27.8	3.80	19.0
St. Pauls.....	60	-10	35.4	0.20	1.0	Nebraska City c.....	72	14	41.0	1.94	8.5	Brookline*1.....	54	-2	33.2	5.73	8.5
Troy.....	68	18	39.2	1.08	2.0	Nemaha*1.....	75	-2	34.1	1.64	15.0	Claremont.....	53	-6	31.4	4.05	4.7
Twin Bridges.....	61	4	32.1	.....	.....	Nestbit.....	78	4	35.1	1.49	10.0	Durham.....	54	1	31.6	5.88	5.5
Utica.....	15	-15	0.57	5.5	.....	Norfolk.....	78	10	39.4	2.18	10.5	Grafton.....	48	-15	27.0	3.62	7.0
Wibaux.....	64	-7	31.0	0.30	1.0	North Loup.....	80	7	34.8	2.18	10.5	Hanover.....	49	-7	28.2	8.71	5.6
Yale.....	68	3	36.0	1.10	11.0	Oakdale.....	76	5	34.0	1.29	5.1	Keene.....	59	-5	31.6	4.61	12.4
<i>Nebraska.</i>	.....	.....	.....	.....	.....	O'Dell.....	79	2	30.2	1.45	9.0	Littleton.....	50	-1	27.1	9.68	9.0
Agate*1.....	86	0	32.0	0.89	.....	O'Neill.....	82	2	30.2	2.29	11.0	Nashua.....	57	2	33.8	4.42	5.5
Albion*1.....	79	3	35.9	1.81	10.0	Ord.....	.....	.....	.....	1.75	9.0	Newton.....	54	1	33.6	5.48	2.5
Alliance.....	.....	.....	.....	0.95	8.5	Osceola.....	.....	.....	.....	1.00	20.0	Peterboro.....	51	-1	30.4	5.07	6.2
Alma.....	82	6	39.8	3.57	14.0	Palmer.....	.....	.....	.....	1.90	7.5	Plymouth.....	47	-13	27.8	4.80	9.8
Ansley.....	80	0	35.5	3.46	12.2	Palmyra*1.....	78	10	35.2	2.88	18.5	Sanbornton.....	53	-7	28.6	8.00	11.0
Arapaho*1.....	81	9	39.2	2.40	7.0	Plattsmouth a.....	.....	.....	.....	2.99	25.0	Stratford.....	55	-17	25.8	3.21	23.0
Arborville*1.....	72	10	33.6	2.42	13.0	Plattsmouth b.....	.....	.....	.....	2.94	24.0	New Jersey.....	57	10	38.9	4.20	T.
Arcadia.....	.....	.....	.....	3.30	10.5	Pleasant Hill.....	.....	.....	.....	1.19	11.9	Asbury Park.....	57	11	38.8	5.17	T.
Arlington.....	.....	.....	.....	2.03	10.0	Ravena a.....	77	8	37.0	3.42	14.5	Bayonne.....	57	11	38.8	5.17	T.
Ashland a.....	79	9	37.9	1.56	13.0	Ravena b.....	.....	.....	.....	2.92	10.0	Belvidere.....	60	6	37.8	5.81	3.0
Ashland b*1.....	78	11	35.2	1.83	18.0	Red cloud b*1.....	76	10	39.4	2.48	9.0	Bergen Point.....	57	13	38.9	6.84	.....
Ashton.....	.....	.....	.....	2.83	9.0	Reed cloud d*1.....	76	10	39.4	1.76	8.0	Beverly.....	64	10	41.6	4.14	T.
Auburn.....	79	12	39.3	1.90	16.7	Republican.....	.....	.....	.....	2.37	10.2	Billingsport*1.....	64	14	40.5	3.75	.....
Aurora.....	77	4	36.2	2.18	8.8	St. Libory.....	.....	.....	.....	2.37	10.2	Blairstown.....	59	1	35.8	4.45	0.4
Bartley.....	.....	.....	.....	1.30	10.0	St. Paul.....	77	8	35.9	2.14	8.5	Bridgeton.....	75	11	43.8	3.51	T.
Beatrice.....	76	7	37.8	2.18	12.5	Salem*1.....	74	14	39.5	1.90	7.0	Camden.....	62	12	41.7	3.86	0.1
Beaver.....	87	6	40.1	2.46	12.0	Santee.....	79	0	36.5	0.62	8.2	Cape May C. H.	70	10	42.0	3.54	0.2
Bellevue.....	.....	.....	.....	2.27	13.1	Schuyler.....	.....	.....	.....	1.28	7.0	Charlotteburg.....	55	-3	35.4	8.07	4.0
Benedict.....	.....	.....	.....	3.18	20.0	Seneca*1.....	70	8	30.8	0.65	6.5	Chester.....	55	5	34.6	5.56	7.0
Benkelman.....	.....	.....	.....	4.25	20.5	Seward.....	.....	.....	.....	2.88	12.5	Clayton.....	72	9	42.0	3.21	T.
Blair.....	70	9	35.6	1.97	15.7	Smithfield.....	.....	.....	.....	2.86	16.0	College Farm.....	59	10	39.2	5.19	1.5
Bluehill.....	.....	.....	.....	1.73	10.5	Spragg.....	.....	.....	.....	0.80	6.0	Deckertown.....	56	0	36.2	5.17	1.5
Bradshaw.....	.....	.....	.....	2.57	12.0	Springview.....	73	1	34.4	1.19	4.0	Dover.....	57	6	34.7	8.80	2.5
Brokenbow*1.....	72	8	33.6	1.88	7.5	Stanton*1.....	71	4	31.8	1.71	9.5	Egg Harbor City.....	72	1	41.4	3.42	2.0
Burchard.....	.....	.....	.....	1.35	11.0	State Farm.....	80	10	37.8	1.59	9.0	Elizabeth.....	60	10	39.0	5.83	T.
Burwell.....	.....	.....	.....	1.81	8.5	Strang.....	.....	.....	.....	1.10	8.5	Flemington.....	60	9	39.6	5.59	T.
Callaway.....	78	5	37.6	3.13	19.0	Stratton.....	.....	.....	.....	4.46	27.0	Freelhold.....	58	8	39.0	6.23	T.
Camp Clarke.....	71	8	36.0	2.43	12.5	Superior*2.....	77	12	37.0	1.75	9.0	Friesburg.....	72	11	42.4	2.85	0.4
Central City.....	.....	.....	.....	2.40	12.0	Tableroche.....	.....	.....	.....	2.09	16.0	Hampton.....	55	7	37.0	4.64	2.8
Chester.....	.....	.....	.....	1.38	9.0	Tecumseh b.....	75	11	37.8	1.80	10.0	Hanover.....	55	7	37.0	4.46	2.8
Cody.....	.....	.....	.....	1.20	12.0	Tecumseh c.....	76	7	37.2	2.55	16.0	Hightstown.....	60	12	40.5	4.24	.....
Columbus.....	75	8	37.1	0.83	.....	Tekamah.....	76	7	37.2	2.55	19.0	Imlaystown.....	63	9	42.0	3.55	0.3
Crete.....	79	10	37.1	1.53	10.0	Turington.....	77	8	37.0	2.31	19.0	Lambertville.....	60	7	40.0	6.00	1.2
Cuiberston.....	.....	.....	.....	3.23	19.6	Walla.....	76	2	34.8	1.53	8.4	Layton.....	57	-8	34.0	5.65	2.8
Curtis.....	80 ^a	8</td															

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.							
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.						
New Mexico—Cont'd.	°	°	°	In.	In.	New York—Cont'd.	°	°	°	In.	In.	North Carolina—Cont'd.	°	°	°	In.	In.						
Bluewater.....	65	9	36.8	0.40	4.0	North Lake.....	51	-19	21.9	3.04	4.0	Washington.....	77	19	55.7	5.30							
Cambrey.....	.....	.....	.....	0.08	.....	Nunda.....	61	-2	28.3	2.56	4.0	Waynesville.....	73	8	45.8	7.07	0.4		
Deming.....	.....	.....	.....	0.11	.....	Ogdensburg.....	48	-5	25.7	2.53	3.4	Weldon a.....	73	14	48.9	3.78			
East Lasvegas.....	65	20	38.6	0.14	1.8	Old Chatam.....	.....	.....	.....	4.44	11.3	Weldon b.....	.....	.....	.....	3.70	T.
Engle.....	78	18	46.4	0.35	.....	Oneonta.....	64	0	33.2	2.41	4.7	North Dakota.	.....	.....	.....	.....	.....	
Espanola.....	74	13	40.6	0.10	T.	Oxford.....	56	-8	30.6	3.70	8.5	Amenia.....	55	-11	26.1*	0.80	1.0						
Folsom.....	73	11	38.0	1.88	18.3	Palermo.....	48	-8	37.8	2.18	.....	Ashley.....	65	-16	25.6	0.65	2.0					
Fort Bayard.....	71	20	44.6	0.60	4.0	Penn Yan.....	60	-1	32.3	2.30	2.8	Berlin.....	68	-9	27.2	0.61	2.6						
Fort Union.....	70	10	37.6	0.50	5.0	Perry City.....	56	-4	39.6	3.12	7.5	Bottineau.....	43	-16	21.6	0.93	9.8						
Fort Wingate.....	74	15	39.1	0.68	6.8	Plattsburg Barracks.....	43	0	33.9	1.85	.....	Cando.....	50	-11	21.0	0.37	3.7					
Gage.....	.....	.....	.....	0.11	.....	Port Byron.....	60	-1	30.7	3.16	4.5	Coalharbor.....	60	-7	27.2	0.20	9.5		
Galliteo.....	70	15	40.8	1.50	15.0	Port Jervis.....	60	-1	34.8	5.19	2.0	Devils Lake.....	43	-14	21.2	0.90	9.0						
Gallinas Spring.....	76	17	44.0	0.22	2.1	Primrose.....	55	10	37.5	5.74	4.0	Dickinson.....	64	-5	30.0	0.70	6.0						
Hillsboro.....	78	25	48.8	0.12	.....	Redhook.....	.....	.....	.....	.....	Donnybro. k.....	44	.....	.....	0.97	3.7	
Horse Springs.....	70	12	40.2	0.20	2.0	Richmondville.....	55	0	30.5	2.09	3.5	Dunseith.....	44	-15	22.0	0.72	7.2						
Las Vegas.....	71	12	39.4	0.14	1.0	Ridgeaway.....	59	-1	30.2	2.61	4.3	Ellendale.....	67	-7	30.2	1.05	6.0						
Las Vegas Hotsprings.....	69	12	40.0	0.34	8.0	Rome.....	.....	.....	.....	.....	Falconer.....	60	-6	28.6	0.65	5.5			
Lordsburg.....	.....	.....	.....	0.20	0.8	Romulus.....	58	1	32.4	2.14	1.0	Fargo.....	51	-9	25.2	1.81	8.8			
Los Lunas.....	74	23	45.7	0.80	.....	Salisbury Mills.....	.....	.....	.....	.....	Forman.....	67	-5	26.6	0.22	2.2		
Mesilla Park.....	84	23	50.4	0.61	.....	Saranac Lake.....	58	-18	36.1	2.41	15.7	Fort Berthold.....	62	5	30.9	0.35	2.0					
Olio.....	68	13	40.2	T.	T.	Saratoga Springs.....	50	-4	30.6	3.80	5.5	Fullerton.....	68	-7	27.6	1.17	5.5						
Raton.....	70	12	37.4	1.15	11.5	Setauket.....	55	12	36.8	5.61	1.0	Gallatin.....	48	-10	23.4	0.69	3.3						
Roswell.....	97	20	49.8	0.00	.....	Shortsville.....	57	-1	31.8	1.26	3.2	Glenullin.....	65	-6	29.6	0.74	4.0					
San Marcial.....	90	20	53.0	0.00	.....	Skaneateles.....	.....	.....	.....	.....	Grafton.....	47	-11	32.6	0.90	5.0		
Socorro.....	78	17	47.8	0.01	T.	Southampton.....	51	11	36.7	5.78	T.	Hamilton.....	46	-13	21.6	0.81	8.9						
Springer.....	73	9	39.2	0.42	4.2	South Berlin.....	58	-6	30.4	0.91	4.8	Hannaford.....	47	-27	23.8	1.00	1.9						
Strauss.....	.....	.....	.....	1.00	.....	South Canisteo.....	53	-5	30.5	3.13	8.2	Jamestown.....	51	-15	25.4	0.72	8.0		
Whiteoaks.....	68	19	44.0	0.67	6.0	Southeast Reservoir.....	.....	.....	.....	.....	Larimore.....	44	-13	22.0	0.92	4.0			
Winsors Ranch.....	59	7	32.8	1.80	18.0	South Kortright.....	58	-2	38.8	3.64	8.5	McKinney.....	48	-19	22.1	0.45	4.5						
Woodbury.....	.....	.....	.....	0.64	5.8	South Schroon.....	.....	.....	.....	.....	Mayville.....	54	-10	30.4	1.00	5.0	
<i>New York.</i>																							
Adams.....	.....	.....	.....	3.87	59.0	Straits Corners.....	56	-8	30.3	4.32	5.5	Medora.....	66	-3	32.3	0.88	6.5			
Addison.....	60	-3	33.1	3.06	2.0	Ticonderoga.....	52 ^a	-8	29.2 ^a	2.72	5.5	Melville.....	44	-8	24.6	1.48	8.8						
Akron.....	.....	.....	.....	3.97	.....	Volusia.....	61	-6	31.5	3.43	.....	Milton.....	39	-20	18.1	1.65	8.5	
Alden.....	60	-6	32.6	3.09	13.4	Walton.....	60	-11	32.4	3.04	8.2	Minnewaukon.....	45	-16	22.0	0.44	4.4						
Alfred.....	64	-8	30.4	1.24	1.6	Wappingers Falls.....	62	4	36.5	6.22	7.0	Minto.....	46	-11	23.4	0.81	3.1						
Angelica.....	59	-6	30.8	2.93	T.	Watertown.....	55	-8	29.2	4.71	32.7	Napoleon.....	58	-8	31.0	.....	.....				
Appleton.....	59	0	31.0	2.14	.....	Waverly.....	58	-3	32.9	4.42	3.8	New England.	.....	.....	.....	.....	.....	
Atlanta.....	57	-5	29.7	2.60	6.2	Wedgewood.....	54	-5	29.4	3.32	6.3	Oakdale.....	58	-11	29.7	1.04	6.0						
Auburn.....	61	5	32.1	1.47	3.0	Wells.....	49	-16	27.1	4.76	9.9	Pembina.....	47	-15	20.3	0.34	3.4						
Avon.....	63	-3	32.0	2.14	2.6	West Chazy.....	45	-11	26.2	.....	Portal.....	45	-15	23.6	.....	.....					
Axon.....	51	-28	24.1	3.26	10.6	Westfield d.....	63	1	34.4	1.86	2.0	Power.....	59	8	26.9	1.20	7.5						
Bedford a.....	53	6	34.4	6.03	2.8	Westfield b.....	62	-3	32.0	8.02	.....	Steele.....	54	9	26.1	0.88	8.6					
Blue Mountain Lake.....	.....	.....	.....	3.60	24.0	Westfield c.....	64	1	34.1	2.57	3.6	University.....	49	-10	34.0	0.65	6.5			
Bolivar.....	60	-8	30.4	2.90	5.7	Windham.....	51	-6	30.3	2.43	8.6	Wahpeton.....	58	-16	29.2	1.99	7.4						
Bucksville.....	53	-2	28.6	3.18	9.5	<i>North Carolina.</i>																	
Boyd's Corners.....	.....	.....	.....	7.24	.....	Abshers.....	74	10	46.8	6.23	T.	Akron.....	70	-2	37.2	3.33	4.7		
Brockport.....	59	-2	31.1	3.74	7.0	Asheville.....	74	5	48.0	4.86	T.	Annapolis.....	74	7	39.0	3.40	.....					
Caldwell.....	53	-4	29.5	4.75	8.0	Biltmore.....	74	5	48.0	4.86	T.	Ashland.....	70	-2	37.8	2.69	8.2						
Canaan Four Corners.....	48	-2	29.4	2.68	8.6	Bryson City.....	.....	.....	.....	.....	Ashtabula.....	67	0	35.0	2.15	6.0			
Canajoharie.....	51	2	30.5	1.93	8.0	Chapelhill.....	75	18	50.6	3.72	.....	Atwater.....	.....	.....	.....	.....	.....	
Canton.....	53	-20	26.0	3.69	5.0	Cherryville.....	75	11	49.8	4.75	.....	Bangorville.....	70	-5	34.4	3.57	5.5					
Carmel.....	55	4	34.9	7.89	7.0	Currituck.....	.....	.....	.....	.....	Bellefontaine.....	67	-1	36.3	.....	.....					
Carvers Falls.....	50	-18	27.6	2.68	.....	Durham.....	75	14	50.4	5.85	.....	Bement.....	70	1	31.3	3.26	2.5				
Catskill.....	53	5	33.2	4.64	6.5	Fayetteville.....	78	15	59.6	3.78	.....	Benton Ridge.....	70	0	38.0	3.15	4.7					
Cedarhill.....	53	1	33.2	4.64	6.5	Flatrock.....	73	5	46.4	8.62	.....	Bethany.....	73	0	41.2	2.29	.....					
Cooperstown.....	56	-1	29.0	3.00	6.5	Goldsboro.....	77	17	52.0	2.21	.....	Bigprairie.....	72	-1	38.2	2.48	0.5					
Cortland.....	.....	.....	.....	2.76	0.8	Greensboro.....	75	14	48.8	2.82	.....	Binola.....	.....	.....	.....	3.15	9.0
Cutchogue.....	53	13	37.0	7.79	T.	Henderson.....	73	13	50.8	4.69	0.4	Bladensburg.....	72	-1	39.0	1.96	0.7						
Dekalb Junction.....	.....	.....	.....	4.67	16.5	Hendersonville.....	73	8	46.4	6.55	T.	Bloomington.....	78	0	41.4	1.39	0.5			
Easton.....	.....	.....	.....	3.93	7.5	Henrietta.....	77	12	51.2	5.10	.....	Bowling Green.....	72	1	37.0	2.86	3.0		
Elba.....	58	-4	30.4	2.40	13.0	Highlands.....	62	1	41.2	10.10	0.5	Bucyrus.....	70	-2	36.6	1.65	1.5						
Elmira.....	63	0	35.4	2.84	2.0	Horse Cove.....	68	5	45.0	10.14	0.4	Cambridge.....	79	0	41.6	3.10	1.0						
Franklinville.....	60	-7	29.5	3.88	7.8	Kinston.....	81	16	54.9	4.00	.....	Camp Dennison.....	76	5	43.2	2.08	T.					
Fulton.....	.....	.....	.....	2.49	9.6	Lenoir.....	75	8	45.5	6.84	.....	Canal Dover.....	73	0	39.6	3.01	2.5		
Gabriels.....	48	-15	24.0	2.79	12.5	Mocksville.....	75 ^a	12	49.9	8.80	.....	Canton.....	69	-1	39.8	3.62	4.3					
Glens Falls.....	56	1	30.4	3.93	8.0	Moncure.....	76	17	52.4	3.47	.....	Cardington.....	70	-2	39.4	2.78	4.3					
Gloversville.....	46	-9	27.6	2.78	7.0	Monroe.....	75	10	49.9	5.00	.....	Cedarville.....	71	0	37.8	3.14	3.0					
Greenwich.....	54	-2	30.0	5.00	11.5	Morganton.....	73	15	49.0	6.00	.....	Celina.....	71	0	37.8	3.14	3.0					
Griffin Corners.....	51	-7	30.0	3.16	5.8	Mountaintop.....	77	18	51.1	3.56	.....	Circleville.....	75	2	41.4	1.67	0.4					
Haskinville.....	.....	.....	.....</td																	

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Ohio—Cont'd.</i>						<i>Oregon—Cont'd.</i>						<i>Pennsylvania—Cont'd.</i>					
Jacksonboro	73	1	30.7	1.80	T.	Ashland b.....	75	26	44.8	1.19	Ins. 0.9	Hamilton	55	—4	31.9	2.23	Ins. 5.0
Killbuck	69	8	39.0	2.66	3.0	Aurora *1.....	67	32	45.7	3.88		Hawthorn	69	—3	36.8	4.47	1.5
Lancaster	74	2	41.2	1.85	T.	Aurora(near)	67	28	45.4	5.09		Herrs Island Dam			3.69	1.0	
Leipsic						Bay City	62	32	45.1	11.20	T.	Huntingdon a	73	—2	39.6	4.18	5.0
Lordstown	67	—7	36.2	2.30	3.0	Beulah	73	16	40.6	0.65	T.	Huntingdon b			8.80	4.0	
McConnellsburg	73	—1	42.0	2.78	1.0	Blalock	69	31	47.3	0.58	T.	Irwin			8.93	10.5	
Manara						Brownsville *1.....	70	28	47.4	2.27		Johnstown	71	0	39.4	4.79	5.0
Mansfield						Bullrun	60	32	42.2	10.04		Keating			3.45	2.8	
Marietta	75	5	41.9	2.60	0.3	Burns	64	12	38.1	0.30	3.0	Kennett Square	73	9	41.2	4.65	0.2
Marion	72	0	39.4	3.71	0.6	Cascade Locks	70	37	48.8	9.54		Lancaster	70	10	40.2	3.99	1.0
Medina	70	—4	38.0	3.70	5.0	Comstock *1.....	60	30	44.0	3.82		Lawrenceville	59	—8	30.4	3.45	2.0
Mifflinton	70	1	36.6	3.28	4.3	Coquille	68	30	45.8	4.15		Lebanon	72	8	39.0	4.36	1.5
Milligan	77	2	41.4	2.44	1.0	Corvallis	68	32	48.4	7.86		Leroy	57	—7	32.1	4.21	4.9
Millport	73	5	37.6	3.33	6.8	Dayville	75	24	49.0	0.77	1.3	Lockhaven a	61	5	38.0	4.49	3.0
Montpelier	70	0	34.4	2.44	5.0	Ella	64	32	46.2	10.04		Lockhaven b	68	2	39.1	3.94	8.0
Moorefield	76	—4	39.8	2.99	1.5	Eugene	68	32	46.6	4.39		Lock No. 4			4.11	T.	
Napoleon	72	1	37.6	2.51	3.0	Fairview	75	35	48.0	6.85		Lycipitus	72	—3	38.4	3.55	6.1
New Alexandria	73	—2	41.2	3.05	8.0	Falls City	64	29	44.1	7.92	0.9	Oil City			4.81	3.5	
New Berlin	70	0	37.7	3.57	3.0	Forest Grove	68	32	45.4	5.17		Parker			4.66	5.2	
New Bremen	69	0	39.0	1.26	2.5	Gardiner	68	30	44.8	11.50	3.5	Philadelphia	66	14	42.6	3.41	T.
New Holland	78	2	43.6	1.37	1.0	Glenora	68	18	38.6	8.40	66.0	Pottstown	62	13	40.0	5.19	0.5
New Paris	70	—2	40.0	2.99	0.2	Government Camp	75	29	46.6	2.66		Quakertown	61	7	39.8	5.11	1.0
New Richmond	75	3	42.8	1.74	0.7	Grants Pass	68	32	46.0	9.25	T.	Reading ²			3.81	2.92	
New Waterford	70	—3	38.0	3.99	9.0	Hare	81	33	46.0	0.25		Renovo a	61	2	36.8	8.46	0.1
North Lewisburg	69	—3	39.0	3.60	3.0	Harris	70	30	45.4	5.20		Renovo b	66	—11	35.2	5.21	2.2
North Royalton	70	—5	36.5	3.44	7.0	Hedinger	68	35	43.0	0.91	T.	St. Marys	58	—5	32.7	—	
Norwalk	72	0	38.6	2.56	0.2	Hood River (near)	71	27	44.7	2.93	T.	Selinsgrove	62	6	39.7	4.11	2.0
Oberlin	72	—3	37.6	2.80	4.5	Huntington	64	25	42.9	0.97	2.0	Shawmont			3.95	—	
Ohio State University	73	2	41.1	1.77	1.3	Jacksonville	71	28	45.7	1.82		Sinnamahoning			1.42	—	
Orangeville	67	—4	36.4	3.10	2.0	Joseph	61	16	33.6	1.55	15.5	Smethport	61	—6	31.8	4.10	3.0
Ottawa	73	1	39.3	2.60	5.0	Junction City *1.....	64	32	46.0	8.13		Somerset	74	—6	36.6	7.21	11.6
Pataskala	72	0	40.0	2.06	3.4	Kerby	67	—	6.03	2.0		South Eaton	60	—2	35.8	8.73	1.0
Philo	73 ^k	0	42.2	2.03	0.4	Klamath Falls	60	20	37.6	—		State College	64	—1	36.0	3.71	8.1
Plattsburg	72	—1	39.0	2.35	8.0	Lafayette *1.....	63	30	47.8	4.43		Sunbury			2.10	3.0	
Pomeroy	79	2	45.0	1.99	1.0	Lagrange	63	24	40.4	1.74	2.5	Towanda	58	—2	34.0	3.92	2.5
Portsmouth a					Lakeview	66	14	38.3	0.59	3.0	Troutrun			8.96	2.5		
Pulse					LeMinnville	66	30	45.2	5.81		Uniontown	73	2	42.2	4.86	3.8	
Richwood	73	—2	40.4	2.84	T.	Merlin *1.....	72	30	48.6	1.86		Warren	60	—6	32.8	8.66	1.7
Ripley	75	2	38.8	1.40	0.5	Monroe	67	28	45.6	4.92		Wellshoro	58	—1	34.7	2.53	2.5
Rittman	71	0	39.8	5.20	2.0	Mount Angel	64	29	45.5	4.23		Westchester	70	10	40.8	4.93	—
Rockyridge	71	—1	38.9	2.89	0.2	Nehalem			9.66	1.0		West Newton			8.25	1.0	
Rosewood	70	—1	39.0	3.58	2.5	Newberg	68	33	47.6	5.36		Westtown	70	10	38.8	4.43	0.3
Shenandoah	70	5	37.2	4.23	6.0	Newbridge	65	19	39.0	1.94	0.5	Wilkesbarre	60	6	36.0	8.81	4.2
Sidney	74	—1	37.9	8.04	3.3	Newport	70	35	47.2	7.64		Williamsport	62	0	38.0	8.63	2.0
Sinking Spring	76	3	41.2	1.35	2.0	Pendleton	78	26	47.2	1.41	T.	York	73	8	41.2	3.94	0.8
Somerset	75	0	43.0	1.85	0.5	Placer			4.00	2.0		<i>Rhode Island.</i>					
Springfield					Prineville	74	14	44.2	0.66	3.0	Bristol	51	13	36.4	5.53	T.	
Strongsville					Riverside	65	32	46.3	2.89		Kingston	53	4	34.6	8.58	T.	
Swanton					Sheridan *1.....	63	33	44.5	4.63		Pawtucket	56	15	39.4	7.67	T.	
Thurman	78	1	45.5	1.65	T.	Silverlake	71	10	37.4	0.30	8.0	Providence a	57	11	37.8	8.10	T.
Tiffin	69	3	38.2	2.47	2.2	Silverton *1.....	64	36	46.5	4.98		Providence c	52	8	35.5	8.19	T.
Urbana	70	1	38.5	3.32	2.2	Sparta	57	16	35.2	1.10	11.0	<i>South Carolina.</i>					
Vanwert	72	1	39.0	2.04	1.3	Springfield *1.....	61	32	45.7	4.18		Batesburg	79	19	52.7	4.40	
Vermillion	70	0	37.0	2.84	5.0	Stafford	69	30	45.2	5.74		Beaufort	80	23	56.8	2.30	
Vickery	72	1	37.4	2.17	1.7	The Dalles	67	22	45.6	0.68		Blackville	83	20	55.0	3.59	
Walnut					Umatilla			0.60			Calhoun Falls			5.88			
Warren	68	—1	38.0	3.77	3.8	Vale	65	15	40.6	0.59		Cheraw a	81	16	53.8	3.80	
Warsaw	73	2	40.0	2.14	—	Westfork *1.....	70	34	44.8	4.52	0.5	Cheraw b			3.64		
Wauseon	72	—1	35.8	3.57	5.1	Weston	68	23	42.4	3.70	0.5	Clemson College	76	13	48.6	6.18	
Waverly	78	3	43.5	1.65	0.2	Williams	71	28	45.3	2.02		Conway			5.34		
Waynesville	73	1	40.2	2.20	1.0	<i>Pennsylvania.</i>						Darlington			4.45		
Wellington	71 ^d	—1	39.2	2.94	1.0	Aleppo	74	0	42.8	1.52	8.0	Edisto			4.23		
Westerville	72	2	40.4	2.68	3.9	Altoona	70	—3	36.7	4.07		Effingham			2.75		
Wooster	69	—1	39.0	3.09	2.5	Confluence	60	—1	33.5	3.83	3.0	Florence	80	23	52.9	3.07	
Zanesville					Davis Island Dam	62	—5	36.1	6.20	4.0	Gaffney			5.06			
<i>Oklahoma.</i>					Bellefonte	68	1	38.8	3.98	4.0	Georgetown	79	23	56.0	4.27		
Arapaho	87	19	51.4	0.69	—	Bethlehem			4.94			Gillisonville	86	19	56.4	3.63	
Beaver	87	18	48.2	0.37	3.0	Brookville			1.78			Greenville	75	18	47.7	8.68	
Blackburn	86	9	48.1	3.25	T.	Browers Lock			4.00			Greenwood	75	17	50.6	4.24	
Burnett	86	11	49.8	0.61	T.	Butler	78	5	38.4	2.09	2.0	Kingtree a	77	23	53.9	3.24	
Clifton	88	8	50.1	0.53		Carlisle	67	—3	36.2	3.49	13.0	Kingtree b			3.18		
Fort Reno	88	12	50.2	2.81	T.	Cassandra	71	5	39.8	2.74	1.7	Liberty	76	13	49.5	8.68	
Fort Sill	88	10	53.2	0.04		Chambersburg	71	9	41.0	5.73	0.4	Little Mountain	78	18	54.0	4.15	
Hennessey	87	15	49.9	1.56	T.	Coatesville	75	—2	36.8	4.35	5.9	Longshore	77	17	52.6	4.65	
Jefferson	86	7	44.2	0													

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>South Carolina—Cont'd.</i>																		
Yorkville.....	79	20	54.8	Ins.	8.13	Ins.	Savannah.....	80	17	52.4	3.07	T.	Bluecreek *1.....	80	25	36.4	0.75	Ins.
<i>South Dakota.</i>							Sewanee.....	73	4	46.6	5.41	0.5	Castledale.....	65	11	35.0	0.11	7.0
Academy.....	74	1	34.8	0.72	3.4		Silverlake.....	78	8	44.8	5.11	0.5	Cisco.....	65	16	39.4	0.61	
Alexandria.....	76	—	32.4	0.90	4.0		Springdale.....	78	12	49.6	1.30	T.	Deseret.....	68	14	38.6	0.80	
Ashcroft.....	73	—	32.9	0.50	5.0		Tazewell.....	79	12	50.7	8.51	0.4	Edney.....	60	14	37.1	0.10	1.0
Badinaton *	76	1	34.1	0.97	3.0		Tellico Plains.....	74	8	46.4	5.63	1.7	Farmington.....	60	17	40.3	1.54	10.4
Bowdle.....	70	—	37.1	0.74	0.5		Tracy City.....	77	10	49.6	4.15	T.	Fillmore.....	71	12	36.4	0.15	1.0
Brookings.....	81	—	39.2	0.50	8.0		Tulahoma.....	78	13	50.0	2.48	T.	Fort Duchesne.....	64	14	37.7	0.28	0.5
Bukley.....	72	—	30.3	0.29	2.0		Union City.....	78	18	51.2	3.40	T.	Frisco.....	73	8	41.7	T.	
Canton.....	69	—	34.8	0.90	2.5		Waynesboro.....	73	13	50.6	5.88		Giles.....	65	13	36.0	1.56	13.6
Centerville.....							Yukon.....	73	13	50.6	5.88		Government Creek.....	73	15	43.0	T.	
Chamberlain.....	78	1	34.7	1.33	3.3		Alvin.....	79	12	53.0	3.44		Green River.....	64	14	37.0	0.40	4.0
Clark.....	67	0	31.2	0.78	2.5		Anson.....	79	—	—	0.25		Haber.....	62	8	31.0	0.02	15.5
Desmet.....	70	—	32.6	2.30	11.1		Arthur.....	90	25	58.4	1.60		Henofer.....	73	20	44.7	0.33	
Doland.....	70	—	31.6	0.53	1.5		Austin a.....	88	31	58.0	—		Hite.....	75	28	49.4		
Elkpoint.....	70	4	35.6	1.10	7.0		Austin b *b.....	88	30	53.2	0.08		Holyoake.....	72	27	39.8	0.20	11.5
Faulkton.....	72	—	30.7	0.50	3.0		Ballinger.....	89	32	57.8	1.22		Huntsville.....	60	12	34.4		
Flandreau.....	66	—	30.6	0.54	8.0		Bastrop.....	79	35	60.2	1.98		Kelton *1.....	60	27	39.8	0.20	2.0
Forestburg.....	72	—	32.5	0.75	7.5		Beaumont.....	79	—	—	—		Lasal.....	64	12	36.1	1.88	14.8
Fort Meade.....	68	—	33.0	1.71	12.0		Bowie.....	86	23	55.2	0.63		Levan.....	61	—	26.8	0.35	3.5
Fort Randall.....	79	—	34.4	0.10	T.		Bowie.....	90	20	53.7	0.86		Loa.....	61	13	27.1	1.40	
Grand River School.....	79	—	32.0	0.23	8.0		Bigspring.....	92	28	56.4	1.20		Logan.....	61	9	36.4	T.	
Greenwood.....	77	3	36.7	0.71	1.5		Branham.....	88	31	62.0	2.44		Manti.....	65	15	36.4	1.00	5.2
Hartman.....	69	—	31.2	0.64	1.4		Brighton.....	84	40	64.4	0.09		Maryvale.....	60	8	38.8	0.00	2.0
Highmore.....	74	—	31.7	0.60	6.0		Brownwood.....	89	22	56.4	1.27		Meadowville.....	51	8	38.8	0.00	2.0
Hotch City.....	75	—	32.5	0.71	T.		Burnet *1.....	88	22	59.2	2.25		Millville.....	66	16	38.8	0.51	3.0
Howard.....	70	—	31.4	0.50	2.2		Camp Eagle Pass.....	100	28	62.2	0.00		Minersville.....	68	20	41.6	0.56	2.0
Interior.....	73	2	35.6	1.36	13.8		Coleman.....	90	25	58.0	0.56		Moab.....	78	20	41.6	0.27	17.0
Ipswich.....	72	—	30.0	0.05	T.		Colorado.....	87	21	54.0	0.13		Mount Pleasant.....	64	15	38.0	0.95	4.5
Kimball.....	74	—	34.2	1.14	6.3		Columbia.....	82	32	61.6	1.78		Ogden *1.....	64	7	38.8	3.15	31.5
Leola.....	71	—	29.8	0.32	0.8		Corsicana.....	85	27	55.2	2.38		Park City.....	57	7	38.8	0.85	7.5
Leslie.....	75	—	32.2	0.71	T.		Cuero.....	90	30	61.8	1.03		Parowan.....	60	2	39.0	0.23	2.0
Melette.....	73	—	32.8	0.94	3.0		Dallas.....	87	24	55.4	2.39		Pinto.....	50	22	34.4	0.33	8.5
Menno.....	76	—	34.1	0.57	2.3		Danevang.....	83	29	60.7	1.08		Promontory *1.....	66	8	38.8	0.51	
Millbank.....	68	—	30.0	2.27	12.0		Dublin.....	87	—	—	—		Provo.....	66	19	39.2	1.09	
Mitchell.....	74	3	36.0	0.96	2.0		Duval.....	94	32	60.2	1.63		Richfield.....	65	8	34.1	1.07	10.0
Mound City.....	76	—	30.6	0.62	6.0		Estelle.....	89	32	56.8	3.14		St. George.....	78	18	46.4	0.08	
Oelrichs.....	79	—	32.1	1.35	13.5		Fort Ringgold.....	103	40	72.0	T.		Scipio.....	71	10	35.5	1.02	1.0
Pine Ridge.....	80	0	34.4	0.71	11.1		Fort Stockton.....	87	—	—	0.00		Snowville.....	62	12	35.3	0.95	9.5
Plankinton.....	73	—	31.7	1.65	2.0		Fredericksburg *1.....	87	25	55.4	0.76		Terrace *1.....	52	20	38.8	0.70	7.0
Redfield.....	73	—	32.9	0.27	1.4		Gainesville.....	82	16	52.4	1.60		Thistle.....	71	10	37.1	2.40	24.0
Rochford.....	65	—	28.6	2.10	18.7		Grapevine.....	90	23	50.5	2.68		Tooele.....	61	20	37.8	1.54	17.3
Ro-sbud.....	73	0	35.8	2.60	26.0		Greenville.....	84	18	55.3	2.88		Tropic.....	62	6	32.1	T.	
St. Lawrence.....							Hale Center.....	81	—	—	—		Vernal.....	63	14	39.6	0.81	T.
Silver City.....							Hallettsville.....	86	31	64.6	0.78		Wellington.....	67	9	37.0	0.10	1.0
Sisseton Agency.....	62	—	27.4	1.86	6.4		Haskell.....	90	12	54.7	0.10		<i>Vermont.</i>					
Spearfish.....	64	—	31.8	1.95	21.5		Henrietta.....	83	19	55.4	0.54		Bennington.....	64	—	30.6	3.78	4.0
Tyndall *1.....	66	—	33.6	T.			Hondo.....	83	—	—	—		Burlington.....	48	—	29.0	3.73	5.0
Vermillion.....	74	—	35.9	0.87	8.0		Houston.....	83	32	60.0	2.40		Chester.....	50	9	34.8	2.73	16.0
Watertown.....	64	—	28.4	0.38	8.8		Ira.....	89	20	54.5	0.78		Enosburg Falls.....	54	—	34.0	1.17	2.0
Waubay.....	59	—	26.0	0.78	4.0		Jacksonville.....	85	25	57.4	4.23		Hartland.....	49	—	32.9	4.53	11.4
Wentworth.....	68	—	31.5	0.31	T.		Jacksonville.....	85	25	57.4	4.23		Jacksonville.....	49	—	32.9	4.53	11.4
Wolsey.....							Jasper.....	89	31	54.7	3.28		Manchester.....	52	—	32.4	4.86	18.1
<i>Tennessee.</i>							Kaufman.....	85	31	59.8	3.28		Norwich.....	47	—	37.0	4.01	11.0
Andersonville.....		8	—	5.40			Kent.....	83	—	—	—		St. Johnsbury.....	50	—	37.0	3.31	12.0
Ashwood.....	80	12	50.5	1.66			Kerrville.....	95	20	52.8	0.43		Vernon *1.....	52	—	32.8	6.54	5.0
Benton.....	73	18	50.4	8.03			Kopperl.....	92	20	57.0	0.89		Wells.....	53	—	34.1	4.82	17.5
Bluff City.....		18	—	—			Lampasas.....	92	—	—	—		Woodstock.....	52	—	29.8	4.17	15.5
Bolivar.....	80	17	49.2	3.28	T.		Laureles Ranch.....	92	—	—	—		<i>Virginia.</i>					
Bristol.....	76	8	48.6	3.48	T.		Llano *5.....	86	28	59.1	0.55		Alexandria.....	75	14	46.2	2.69	T.
Bristow.....	80	6	47.8	4.31	3.8		Longview.....	83	28	55.1	4.00		Ashland.....	83	11	49.4	8.82	0.5
Bristow.....	80	6	47.8	4.31	3.8		Luling.....	82	26	60.9	0.78		Barboursville.....	76	12	48.8	3.72	T.
Carthage.....	11	—	39.4	—	T.		Mann.....	87	32	53.8	3.12		Bedford.....	76	12	48.8	3.72	T.
Charleston.....							Menardville.....	89	18	55.9	0.37		Bigstone Gap.....	76	12	45.0	4.64	1.0
Clarksville.....	77	14	49.6	3.76	T.		Mount Blanco.....	87	—	—	—		Blacksburg.....	69	6	42.6	3.41	T.
Clinton.....							Newacres.....	85	27	57.4	3.51		Bon Air.....	72	13	47.0	4.28	
Decatur.....	74	11	49.4	6.00	T.		New Braunfels.....	92	32	61.2	1.40		Buckingham.....	74	5	45.6	2.40	
Dickson.....	78	12	49.6	2.06	T.		Panter.....	84	35	64.3	1.75		Burke's Garden.....	68	—	40.1	2.96	5.0
Dover.....	80	14	48.8	4.30	T.		Port Lavaca.....	88	27	65.3	0.80		Callaville.....	73	4	49.0	5.73	
Elizabethton.....	76	7	45.5	3.26	T.		Rhineland.....	88	19	54.6	0.15		Charlottesville.....	76	11	47.4	2.45	
Elk Valley.....	75	5	46.1	2.85	T.		Rock Island.....	86	30	62.4	0.93		Christiansburg.....	74	—	42.9	3.95	T.
Erasmus.....	74	5	44.8	4.52	2.0		Rockport *1.....	82</td										

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
Virginia—Cont'd.	°	°	°	In.	In.		West Virginia—Cont'd.	°	°	°	In.	In.		Wyoming—Cont'd.	°	°	°	In.	In.	
Salem	50	33	34.3	3.43	1.0		Marlinton	50	29	38.6	3.06	0.5		Hyattville	64	6	33.7	T.	T.	
Speers Ferry	52	10	50.0	3.53	1.0		Martinsburg	51	6	41.3	3.08			Iron Mountain	55	3	31.2	0.50	5.0	
Spottsville	72	15	45.8	4.94	T.		Morgantown	76	8	42.5	3.67			Laramie	55	2	26.6	0.05	0.5	
Stanardsville	71	15	45.8	4.94	T.		Moscow	71	2	40.2	4.63	7.0		Lusk	60	0	30.8	0.05	0.5	
Staunton	73	8	45.6	3.89	T.		New Martinsville	78	4	49.0	3.44	2.0		Myersville	55	1	26.2	0.08	0.8	
Stephens City	78	5	44.0	4.29	T.		Nuttallburg	79	1	40.7	4.40	6.0		Parkman	66	4	32.7	0.64	18.1	
Warsaw	69	9	46.4	4.30	2.0		Oceana	75	5	41.2	3.25			Pinebluff	68	6	34.4	0.80	8.0	
Westpoint	70	7	47.8	4.90	4.0		Oldfields	77	8	44.8	1.94			Rawlins	53	4	27.0	1.67	16.7	
Williamsburg	72	8	49.4	3.88	T.		Parsons	77	0	39.5	0.90	2.0		Saratoga	54	2	28.6	2.45	22.0	
Woodstock	72	8	41.8	3.49	T.		Philipps	77	3	42.0	3.36	1.0		Sheridan	67	1	31.0	1.87	18.5	
Wytheville	72	5	43.0	3.66	0.5		Point Pleasant	83	4	45.0	2.35			South Pass City	68	0	33.4	0.69	6.9	
Washington							Powellton	79	6	45.8	4.53	3.0		Thayne	47	3	26.5	0.61	6.0	
Aberdeen	65						Princeton	76	5	42.6	4.50	3.5		Thermopolis	66					
Anacortes							Romney	76	4	42.4	2.51	T.		Wheatland	64	4	39.4	0.78		
Ashford							Rowlesburg							Cuba						
Bremerton	69	31	45.6	2.44	T.		Southside	73	8	46.8	2.37	1.2		Aquacate	91	44	71.7	1.48		
Bridgeport	81	20	40.8	0.10			Spencer	80	3	46.4	2.99	19.0		Alvarez						
Briennou	63	32	44.0	3.47			Terra Alta	70	11	38.0	4.80	19.0		Australia	91	48	72.9	1.82		
Cedonia	56	22	36.8	1.00	3.6		Upper tract	73	4	42.6	2.53			Banaguises	91	55	74.1	2.55		
Centerville	60	26	39.8	0.87	0.2		Wellsburg	72	1	39.7	2.81	2.0		Batahano	86	42	70.3	1.85		
Cheney							Weston a							Camajuani	92	51	71.8	0.44		
Clearwater	61	31	43.8	9.67			Weston b	78	4	44.6				Cruces						
Cle Elum	65	19	38.8	1.37	1.5		Wheeling a	77	4	46.8	3.43	0.5		Gibara	92	58	74.8	1.82		
Colfax	69	26	43.8	2.34	1.0		Wheeling b	81	6	48.2	3.97	9.2		Guabairo						
Colville	63	19	39.2	0.82	0.5		Williamson	76	6	45.1	2.38	0.5		Guanajay	86	51	71.4	1.27		
Conconully	55	18	36.8	0.47	4.7		Winfield							Guantanamo	92	56	75.5	1.17		
Connell							Wisconsin							Holguin	93	59	73.9	0.15		
Coupeville	60	33	44.1	0.25			Amherst	51	-10	25.8	2.82	23.0		Isabel, Guantanamo						
Crescent	60	23	39.3	1.07	T.		Ashland							Los Canos	92	49	75.0	1.43		
Dayton	84	26	45.4	1.93			Barron	56	-14	23.7	3.50	29.0		Magdalena	92	46	72.4	1.78		
Ellensburg	59	19	40.1	0.31			Bayfield	46	-10	22.8				Manzanillo	94	60	77.7	1.18		
Ellensburg (near)	66	18	40.2	0.03	T.		Beloit	60	1	32.5	2.75	5.5		Mazandas	91	50	72.4	1.54		
Grandmound	66	30	45.3	4.46			Brodhead	60	0	32.4	2.83	7.0		Moron Troche	95	54	75.4	1.50		
Granite Falls							Butternut	58						Nuevitas	96	60	78.3	2.21		
Hooper	71	25	44.6	0.61	T.		Darlington	53	-1	31.0	2.23	7.0		Pinar del Rio	89	89	72.6	1.61		
Issaquah							Delavan							Segua La Grande	95	54	73.2	1.49		
Lacenter	66	28	44.5	5.89			Dodgeville	58	-4	30.3	1.75	8.5		San Ceytano	94	49	71.9	0.95		
Lakeside	59	24	42.1	0.52			Easton	50	-12	27.8	2.47	12.8		Santa Clara	94	51	73.5	0.41		
Lind	67	23	42.0	0.63	T.		Eau Claire	50	9	28.7	3.58	27.0		Sancti Spiritus	88	59	73.4	1.36		
Loomis	69	28	45.0				Florence	48	-11	22.7	3.35	19.0		Santa Cruz del Sur	86	51	71.8			
Mayfield	56	29	41.4	6.54			Fond du Lac	50	-2	20.2	2.62	6.5		Soledad	83	49	71.8	1.61		
Monte Cristo	61	18	37.2	10.40	82.8		Grand River Locks	64	-2	27.0	3.28	19.0		Soledad, Guantanamo	94	53	75.0	2.94		
Mottinger Ranch	69	21	47.5	0.54			Grantsburg	57	4	29.6	3.88			Union de Reyes	90	61	73.6	0.75		
Mount Pleasant	68	33	45.6	6.37			Hartland	57	5	29.6	3.75			Faguajay	95	57	74.6	0.98		
Moxee Valley	66	17	41.6	0.20			Harvey	59	-2	31.0	2.75	7.3		Porto Rico						
Northport	60	18	39.2	0.65	6.0		Hillsboro	55	-7	25.5	2.08	19.0		Adjuntas	87					
Olga							Koenepink							Aguadilla	89	64	77.6	7.29		
Olympia	58	32	43.4	2.04			Lancaster	58	-3	29.7	2.83	11.0		Arecibo	84	61	74.1	7.59		
Pasco	73	25	46.8	0.09			Madison	54	-4	29.8	2.77	3.5		Bayamon	97	59	76.8	9.65		
Pinehill	66	23	45.0	1.90	0.3		Manitowoc	45	-4	28.4	5.14	11.0		Caguas	88	61	73.8	0.39		
Port Townsend	58	24	45.0	0.54			Meadow Valley	53	-7	26.4	2.19	10.5		Camovanas	89	68	77.6	6.39		
Pullman	61	21	41.0	1.77	0.2		Menasha							Cayey	90	55	75.5	6.79		
Republic	59	16	37.2	0.70	7.0		Neillsville	56	-10	26.7	3.10	24.0		Cidra	89	53	71.8	7.77		
Rosalia	60	27	40.0	1.74	0.3		New London	45	-6	26.8	3.34	17.0		Coamo	93	62	77.4	3.08		
Silvana	66	23	44.8	2.06			Oconto	49	-5	27.6	3.44	27.5		Corozal	90	53	73.6	11.96		
Snohomish	68	29	45.0	4.06			Osceola	48	-10	26.4	3.24	27.0		Fajardo	90	63	78.4	3.90		
Snoqualmie							Oshkosh	44	-4	28.2	3.15			Hacienda Coloso	95	58	75.0	8.13		
Southbend	61	29	44.0	7.15			Pepin	54	-10	28.2	2.21	14.0		Hacienda Peria	87	65	76.2	3.47		
Sprague							Pine River	49	-7	27.0	1.91	16.7		Humacao	84	60	72.2	4.51		
Sunnyside	66	22	43.0	0.14			Portage	53	-3	26.4	2.53	17.0		Isabela	89	63	75.6	3.90		
Twin	57	30	42.2	3.11			Port Washington	50	-5	29.8	5.15	17.0		Juana Diaz	91	60	77.8	2.36		
Union	68	28	41.7	5.58	1.6		Prairie du Chien a	60	-3	33.1	3.04	11.8		La Isolina	88	61	73.5	11.40		
Usk	58	19	36.9				Prairie du Chien b	58	-1	33.2	3.83	9.5		La Jitas	90	54	74.6	2.68		
Vancouver	68	20	42.3	4.71			Racine	58	-1	33.2	3.79			Manati	94	61	75.9	12.58		
Vashon	61	32	44.5	2.40			Shawano	50	-5	26.4	2.53	17.0		Maunabo	86	68	77.4	3.72		
Waterville	54	17	36.0	0.52	4.0		Sheboygan	48	-1	30.2	4.57	24.5		Mayaguez	91	60	77.0	5.72		
Wenatchee (near)	60	28	39.8	0.47	2.0		Spooner	46	-14	24.4	4.90	34.0		Morovis	89	60	73.6	13.26		
Whatcom	61	28	45.4	2.89			Stevens Point	50	-10	27.4	2.37	21.2		Ponce						
Wilbur	59	22	38.6	0.84	1.0		Valley Junction	55	-7	29.3	3.01	22.0		Port Ame Ica	88	61	77.2	0.91		
West Virginia							Viroqua	53	-5	29.2	2.73	18.8								

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

EXPLANATION OF SIGNS.

- Extremes of temperature from observed readings of dry thermometer.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

¹ Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. + 4.

² Mean of 8 a. m. + 8 p. m.

³ Mean of 7 a. m. + 7 p. m. + 2.
⁴ Mean of 6 a. m. + 6 p. m. + 3.

^a Mean of 6 a. m. + 6 p.

⁶ Mean of readings at various

Mean by special talk
Mean from hearing

¹ Mean from hourly readings of t
² Mean of sunrise and noon

¹⁰ Mean of sunrise, noon.

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of

An italic letter following the name of a

An italic letter following the name of a person, e.g., "Livingston a," "Livingston b,"

"Livingston a," "Livingston b," indicates that the more observers, as the case may be, are reporting

more observers, as the case may be, are reporting the same station. A small roman letter following

ame of a station, or in figure columns, indicates the

umber of days missing from the record; for instance
"14" denotes 14 days missing.
No note is made of breaks in the continuity of tem-

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the

CORRECTIONS.

CORRECTIONS.

January, 1901, Blaue, Colo., make mean temperature 5.8 in-lead of 36.7. Laur-i, Md., make precipitation lead 3.02 instead of 2.94.
February, 1901, Eureka Ranch, Kans., make precipi-

NOTE.—The following changes have been made in the names of stations: Florida, Dalkeith, changed to We-

CORRECTIONS.

TABLE III.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of March, 1901.

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Dura-tion.		N.	S.	E.	W.	Direction from—	Dura-tion.
<i>New England.</i>													
Eastport, Me.	Hours.	Hours.	Hours.	Hours.	°	Hours.	Upper Mississippi Valley.—Cont'd.	Hours.	Hours.	Hours.	Hours.	°	Hours.
	21	16	14	24	n. 63 w.	11	La Crosse, Wisc.	13	9	6	7	n. 14 w.	4
Portland, Me.		23	19	9	n. 61 w.	18	Davenport, Iowa	18	12	18	20	n. 61 w.	12
Northfield, Vt.		25	35	1	s. 28 w.	11	Des Moines, Iowa	25	17	17	17	n. 77 w.	8
Boston, Mass.		19	13	13	n. 69 w.	19	Dubuque, Iowa	19	16	16	24	n. 69 w.	8
Nantucket, Mass.		16	18	15	s. 81 w.	13	Keokuk, Iowa	13	20	15	28	s. 63 w.	15
Block Island, R. I.		14	14	19	s. 71 w.	12	Cairo, Ill.	14	23	7	26	s. 54 w.	24
New Haven, Conn.		20	15	12	n. 74 w.	18	Springfield, Ill.	16	20	10	27	s. 77 w.	18
Middle Atlantic States.							Hannibal, Mo.†	8	9	4	15	s. 85 w.	11
Albany, N. Y.	Hours.	Hours.	Hours.	Hours.	s. 74 w.	18	St. Louis, Mo.	11	24	11	23	s. 43 w.	18
Binghamton, N. Y.†		11	5	12	n. 18 e.	6	Missouri Valley.						
New York, N. Y.		27	12	13	n. 45 w.	21	Columbia, Mo.*	7	12	7	11	s. 39 w.	6
Harrisburg, Pa.†		7	6	9	n. 82 w.	7	Kansas City, Mo.	25	23	8	21	n. 77 w.	13
Philadelphia, Pa.		23	14	16	n. 42 w.	12	Springfield, Mo.	16	21	8	29	s. 77 w.	23
Scranton, Pa.		26	15	14	n. 42 w.	15	Lincoln, Nebr.	28	19	12	17	n. 29 w.	10
Atlantic City, N. J.		5	17	15	s. 51 w.	19	Omaha, Nebr.	28	13	14	17	n. 11 w.	15
Cape May, N. J.		15	19	14	s. 74 w.	15	Valentine, Nebr.	34	6	9	29	n. 36 w.	24
Baltimore, Md.		10	13	18	s. 78 w.	14	Sioux City, Iowa†	15	7	8	0	s. 7 w.	8
Washington, D. C.		24	19	16	n. 22 w.	5	Pierre, S. Dak.	30	10	21	12	n. 34 e.	23
Lynchburg, Va.		15	21	4	s. 79 w.	32	Huron, S. Dak.†	30	9	17	23	n. 16 w.	23
Norfolk, Va.		14	33	9	s. 20 w.	20	Yankton, S. Dak.†	17	5	4	11	n. 80 w.	15
Richmond, Va.		16	27	9	s. 50 w.	17	Northern Slope.						
South Atlantic States.							Havre, Mont.	15	18	18	34	s. 82 w.	21
Charlotte, N. C.		10	38	8	s. 27 w.	31	Miles City, Mont.	19	24	18	19	s. 50 w.	8
Hatteras, N. C.		14	31	6	s. 51 w.	27	Helena, Mont.	7	25	7	37	s. 64 w.	41
Raleigh, N. C.		11	28	3	s. 59 w.	33	Kalispell, Mont.	3	28	15	29	s. 29 w.	29
Wilmington, N. C.		10	29	3	s. 58 w.	36	Rapid City, S. Dak.	28	7	12	27	n. 35 w.	26
Charleston, S. C.		18	21	6	s. 71 w.	24	Cheyenne, Wyo.	33	9	3	34	n. 52 w.	29
Augusta, Ga.		7	24	8	s. 55 w.	29	Lander, Wyo.	16	19	13	30	s. 83 w.	17
Savannah, Ga.		9	26	5	s. 59 w.	33	North Platte, Neb.	26	11	10	32	n. 56 w.	27
Jacksonville, Fla.		11	37	18	s. 37 w.	20	Middle Slope.						
Florida Peninsula.							Denver, Colo.	23	21	13	21	n. 88 w.	8
Jupiter, Fla.		14	23	16	s. 42 w.	12	Pueblo, Colo.	29	10	15	21	n. 18 w.	20
Key West, Fla.		24	16	81	n. 72 e.	25	Concordia, Kans.	16	20	10	20	s. 68 w.	11
Tampa, Fla.		17	20	13	s. 76 w.	12	Dodge, Kans.	26	18	12	29	n. 52 w.	23
Eastern Gulf States.							Wichita, Kans.	25	23	8	17	n. 72 w.	10
Atlanta, Ga.		10	26	10	s. 54 w.	27	Oklahoma, Okla.	30	22	9	15	n. 37 w.	10
Macon, Ga.†		6	13	2	s. 63 w.	15	Southern Slope.						
Pensacola, Fla.†		12	12	6	w.	1	Abilene, Tex.	19	25	10	23	s. 65 w.	14
Mobile, Ala.		18	27	11	s. 43 w.	12	Amarillo, Tex.	23	22	11	24	w.	13
Montgomery, Ala.		11	28	18	s. 22 w.	19	Southern Plateau.						
Meridian, Miss.†		9	13	3	s. 78 w.	14	El Paso, Tex.	19	5	12	39	n. 68 w.	30
Vicksburg, Miss.		16	29	11	s. 17 w.	14	Santa Fe, N. Mex.	24	15	18	21	n. 18 w.	10
New Orleans, La.		20	25	15	s. 45 w.	7	Flagstaff, Ariz.	18	11	9	27	n. 49 w.	18
Western Gulf States.							Phoenix, Ariz.	27	12	11	23	n. 31 w.	14
Shreveport, La.		13	28	12	s. 22 w.	16	Independence, Cal.	27	9	4	25	n. 36 w.	19
Fort Smith, Ark.		16	21	18	s. 39 w.	6	Middle Plateau.						
Little Rock, Ark.		17	24	9	s. 69 w.	19	Carson City, Nev.	23	14	11	25	n. 60 w.	16
Corpus Christi, Tex.		15	33	23	s. 42 e.	24	Winnemucca, Nev.	21	16	15	22	n. 36 w.	9
Fort Worth, Tex.†		22	26	4	s. 79 w.	20	Modena, Utah.	23	9	19	23	n. 16 w.	15
Galveston, Tex.		15	32	21	s. 30 e.	20	Salt Lake City, Utah.	23	17	14	21	n. 64 w.	9
Palestine, Tex.†		19	31	6	s. 40 w.	16	Grand Junction, Colo.	23	15	20	21	n. 7 w.	8
San Antonio, Tex.		23	18	21	s. 39 e.	18	Northern Plateau.						
Ohio Valley and Tennessee.							Baker City, Oreg.	19	28	9	25	s. 61 w.	18
Chattanooga, Tenn.		8	28	14	s. 33 w.	24	Boise, Idaho.	27	10	14	28	s. 39 w.	10
Knoxville, Tenn.		14	25	10	s. 82 w.	24	Lewiston, Idaho†.	3	0	19	10	n. 72 e.	10
Memphis, Tenn.		13	27	12	s. 43 w.	19	Pocatello, Idaho.	4	19	8	32	s. 58 w.	28
Nashville, Tenn.		16	30	5	s. 55 w.	24	Spokane, Wash.	7	35	14	21	s. 14 w.	29
Lexington, Ky.†		4	16	4	s. 34 w.	14	Walla Walla, Wash.	4	41	3	21	s. 26 w.	41
Louisville, Ky.†		10	26	10	s. 61 w.	23	North Pacific Coast Region.						
Evansville, Ind.†		4	15	7	s. 20 w.	12	Astoria, Oreg.	18	14	13	30	n. 77 w.	18
Indianapolis, Ind.		12	26	10	s. 49 w.	21	Neah Bay, Wash.	2	15	22	31	s. 35 w.	16
Cincinnati, Ohio.		14	23	12	s. 67 w.	23	Port Crescent, Wash.†	0	2	9	21	s. 81 w.	12
Columbus, Ohio.		9	24	14	s. 47 w.	24	Seattle, Wash.	12	30	23	29	s. 39 e.	23
Pittsburg, Pa.		21	19	9	s. 83 w.	24	Tacoma, Wash.	12	33	5	26	s. 45 w.	30
Parkersburg, W. Va.		12	20	11	s. 67 w.	21	Portland, Oreg.	13	29	8	24	s. 45 w.	23
Elkins, W. Va.		10	15	4	s. 80 w.	28	Roseburg, Oreg.	17	20	16	26	s. 76 w.	12
Lower Lake Region.							Middle Pacific Coast Region.						
Buffalo, N. Y.		10	19	14	s. 59 w.	18	Eureka, Cal.	24	18	15	20	n. 40 w.	9
Oswego, N. Y.		14	23	18	s. 24 w.	10	Mount Tamalpais, Cal.	25	4	11	30	n. 31 w.	36
Rochester, N. Y.		14	25	11	s. 57 w.	20	Red Bluff, Cal.	41	10	8	11	n. 6 w.	31
Erie, Pa.		15	18	10	s. 82 w.	21	Sacramento, Cal.	24	21	17	19	n. 84 w.	4
Cleveland, Ohio.		14	27	16	s. 21 w.	14	San Francisco, Cal.	15	7	2	40	n. 78 w.	39
Sandusky, Ohio.		15	22	15	s. 58 w.	16	South Pacific Coast Region.						
Toledo, Ohio.		11	23	16	s. 48 w.	16	Fresno, Cal.	30	5	6	37	n. 51 w.	40
Detroit, Mich.		16	28	15	s. 55 w.	12	Los Angeles, Cal.	21	7	14	29	n. 47 w.	20
Upper Lakes Region.							San Diego, Cal.	23	8	25	27	n. 8 w.	15
Alpena, Mich.		18	11	23	n.	7	San Luis Obispo, Cal.	31	7	4	19	n. 83 w.	23
Escanaba, Mich.		33	12	9	s. 25 w.	6	West Indies.						
Grand Haven, Mich.		18	14	19	s. 51 w.	23	Basseterre, St. Kitts Island.	15	2	53	2	n. 76 e.	52
Houghton, Mich.†		11	3	15	s. 41 e.	11	Bridgetown, Barbados.	20	4	53	0	n. 84 e.	53
Marquette, Mich.		28	7	18	s. 23 w.	23	Clenfuegos, Cuba.	29	17	27	4	n. 62 e.	26
Port Huron, Mich.		19	23	11	s. 70 w.	12	Grand Turk, Turks Island, W. I.†.	?	13	19	2	s. 74 e.	18
Sault Ste. Marie, Mich.		17	12	24	s. 44 w.	5	Havana, Cuba.	17	16	35	7	n. 84 e.	28
Chicago, Ill.†		18	20	19	s. 45 w.	8	Kingston, Jamaica.	47	3	15	4	n. 14 e.	45
Milwaukee, Wis.		17	13	15	s. 60 w.	8	Puerto Principe, Cuba.	29	7	48	5	n. 85 e.	43
Green Bay, Wis.		31	14	10	s. 16 w.	18	Roseau, Dominica, W. I.	20	8	44	4	n. 73 e.	42
Duluth, Minn.		35	4	27	n. 31 e.	25	San Juan, Porto Rico.	7	21	45	1	s. 73 e.	45
North Dakota.							Santiago de Cuba, Cuba.	27	23	23	8	n. 70 e.	15
Moorhead, Minn.		31	11	18	n.	20	Santo Domingo, S. Domingo, W. I.	41	11	15	2	n. 23 e.	33
Bismarck, N. Dak.		28	10	23	n. 27 e.	20	Willemstad, Curaçao.	2	0	61	0	n. 88 e.	61
Williston, N. Dak.		27	20	18	n. 8 w.	7							
Upper Mississippi Valley.													
St. Paul, Minn.		30	8	18	n. 5 w.	23							

* From observations at 8 p. m. only.

† From observations at 8 a. m. only.

TABLE IV.—*Thunderstorms and auroras, March, 1901.*

TABLE V.—Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during March, 1901, at all stations furnished with self-registering gages.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Albany, N. Y.	1 20-21	2	3	4	5	6	7												*		
Alpena, Mich.	19-20			0.92															*		
Atlanta, Ga.	26	2.40 a.m.	4.05 a.m.	2.07	3.33 a.m.	4.00 a.m.	0.24	0.60	1.00	1.30	1.65	1.79	1.80						0.46		
Atlantic City, N. J.	26			0.60															0.42		
Baltimore, Md.	20-21			1.00																	
Binghamton, N. Y.	10-11			0.76																	
Bismarck, N. Dak.	2			0.34															0.32		
Boise, Idaho	23			0.25															0.12		
Boston, Mass.	21			1.21															0.47		
Buffalo, N. Y.	26			0.61															0.11		
Cairo, Ill.	9-10			1.23															0.46		
Charleston, S. C.	10			0.81															0.66		
Chicago, Ill.	10			0.80															*		
Cincinnati, Ohio	10			0.60															0.31		
Cleveland, Ohio	23			0.82															0.27		
Columbia, Mo.	9-10			1.44															0.40		
Columbus, Ohio	25			0.23															0.16		
Denver, Colo.	27			0.28															*		
Des Moines, Iowa	9-10			1.47															0.15		
Detroit, Mich.	10			0.48															0.10		
Dodge, Kans.	9-10			0.33															*		
Duluth, Minn.	19-20			0.58															*		
Eastport, Me.	21-22			0.94															0.28		
Elkins, W. Va.	25-26			0.61															0.29		
Erie, Pa.	26			0.38															*		
Escanaba, Mich.	10-11			0.80															*		
Evansville, Ind.	19			0.61															0.37		
Fort Worth, Tex.	9			0.46															0.46		
Fresno, Cal.	11			0.34															*		
Galveston, Tex.	22-23			0.94															0.47		
Grand Junction, Colo.	18			0.35															*		
Harrisburg, Pa.	10-11			1.43															0.42		
Hatteras, N. C.	21			1.28															0.55		
Huron, S. Dak.	21-23			0.60															0.11		
Indianapolis, Ind.	9-10			1.08															0.23		
Jacksonville, Fla.	24	8.00 p.m.	10.30 p.m.	1.20	8.25 p.m.	8.50 p.m.	0.01	0.29	0.58	0.69	0.73	0.80	0.84	0.85	0.87	0.90	0.91	1.11	0.65		
Jupiter, Fla.	2			0.75															*		
Kalispell, Mont.	29-30			0.23															*		
Kansas City, Mo.	18-19			1.83															0.45		
Key West, Fla.	26-27	11.40 p.m.	2.55 a.m.	1.27	12.35 a.m.	1.45 a.m.	0.03	0.11	0.15	0.19	0.29	0.40	0.46	0.54	0.63	0.73	0.75	0.92	1.12		
Knoxville, Tenn.	25			0.58															0.38		
Lexington, Ky.	10-11			1.17															0.90		
Lincoln, Nebr.	29			0.68															*		
Little Rock, Ark.	8	2.25 p.m.	9.30 p.m.	1.44	7.05 p.m.	8.00 p.m.	0.57	0.05	0.13	0.18	0.23	0.28	0.33	0.39	0.41	0.70	0.78	0.81			
Los Angeles, Cal.	9	1.30 p.m.	8.45 p.m.	1.34	6.30 p.m.	6.40 p.m.	0.42	0.09	0.28	0.48	0.58	0.60							0.20		
Louisville, Ky.	25	4.30 a.m.	9.50 a.m.	0.80	5.17 a.m.	5.45 a.m.	0.03	0.09	0.17	0.32	0.48	0.57	0.60								
Macon, Ga.	25	7.35 p.m.	11.25 p.m.	2.38	9.10 p.m.	9.30 p.m.	0.03	0.78	0.92	0.97	1.03	1.05									
Memphis, Tenn.	9-10	8.53 p.m.	12.35 a.m.	1.56	9.08 p.m.	9.30 p.m.	0.03	0.78	0.92	0.97	1.03	1.05									
Meridian, Miss.	29-30			1.88															0.67		
Milwaukee, Wis.	19-20			1.07															*		
Montgomery, Ala.	30	3.04 p.m.	8.20 p.m.	1.36	3.50 p.m.	4.50 p.m.	0.13	0.07	0.17	0.22	0.24	0.28	0.32	0.47	0.70	0.78	0.79	1.01			
Nantucket, Mass.	21-22			1.20															0.48		
Nashville, Tenn.	10	2.30 a.m.	7.15 a.m.	0.98	2.31 a.m.	2.46 a.m.	T	0.29	0.42	0.51	0.54	0.58									
New Haven, Conn.	10-11			2.40															0.54		
New Orleans, La.	23	5.00 a.m.	9.40 a.m.	1.68	6.30 a.m.	7.10 a.m.	0.31	0.20	0.29	0.43	0.57	0.65	0.70	0.78	0.78						
New York, N. Y.	10-11	6.55 p.m.	8.48 a.m.	2.90	5.17 a.m.	7.10 a.m.	1.50	0.12	0.20	0.26	0.31	0.34	0.37	0.41	0.44	0.47	0.49	0.57	0.87	1.10	1.20
Norfolk, Va.	20-21			1.40															0.55		
Northfield, Vt.	20-21			1.07															0.18		
Oklahoma, Okla.	19			0.15															0.14		
Omaha, Nebr.	29-30			0.48															0.15		
Parkersburg, W. Va.	26			0.05															0.38		
Philadelphia, Pa.	10-11			1.84															0.38		
Pittsburg, Pa.	26			0.98															*		
Pocatello, Idaho	8			0.73															*		
Portland, Me.	11	D. N.	9.10 p.m.	2.84	11.15 a.m.	1.10 p.m.	0.65	0.04	0.08	0.13	0.16	0.21	0.26	0.31	0.36	0.41	0.47	0.60	0.88	1.12	1.39
Portland, Oreg.	26			0.29															0.17		
Pueblo, Colo.	28-29			0.54															*		
Raleigh, N. C.	25-26	5.35 p.m.	7.35 a.m.	1.48	5.43 p.m.	6.00 p.m.	T	0.20	0.47	0.55	0.57	0.59									
Richmond, Va.	10-11			0.80															0.64		
Rochester, N. Y.	10			0.61															0.28		
St. Louis, Mo.	10			1.50															0.28		
St. Paul, Minn.	19-20			0.96															0.18		
Salt Lake City, Utah	11-12			0.80															*		
San Diego, Calif.	21			0.58															*		
Sandusky, Ohio	8-9			0.47															*		
San Francisco, Cal.	9-10			0.40															0.18		
Savannah, Ga.	30-31			1.11															0.18		
Seattle, Wash.	24-25			0.32															0.13		
Spokane, Wash.	22			0.24															*		
Tampa, Fla.	1			1.15															0.55		
Toledo, Ohio	25			0.10															*		
Topeka, Kans.	18-19			0.75															*		
Vicksburg, Miss.	9	8.25 p.m.	D. N.	0.58	10.55 p.m.	11.18 p.m.	0.05	0.09	0.16	0.39	0.49	0.54							0.08		
Washington, D. C.	10-11	11.10 p.m.	2.40 a.m.	0.92	1.34 a.m.	2.35 a.m.	0.25	0.07	0.17	0.34	0.38	0.38	0.38</td								

TABLE VI.—*Data furnished by the Canadian Meteorological Service, March, 1901.*

TABLE VII.—Heights of rivers referred to zeros of gages, March, 1901.

Stations.	Distance from mouth of river. Miles.	Danger line on gage.	Highest water.				Lowest water.				Stations.	Distance from mouth of river. Miles.	Danger line on gage.	Highest water.				Lowest water.						
			Height.		Date.		Height.		Date.					Height.		Date.		Height.		Date.				
			Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.				Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.			
<i>Mississippi River.</i>																								
St. Paul, Minn. ¹	1,954	14	4.8	31	— 0.8	1	1.0	5.1																
Reeds Landing, Minn.	1,884	12	8.4	27, 28	3.2	1, 2	5.6	5.2																
La Crosse, Wis.	1,819	12	8.4	27, 28	3.2	1, 2	5.6	5.2																
Prairie du Chien, Wis. ²	1,759	18																						
Dubuque, Iowa ³ .	1,699	15	9.4	31	7.0	23	8.2	2.4																
LeClaire, Iowa ⁴ .	1,609	10	6.5	21	3.5	18	5.4	3.0																
Davenport, Iowa ⁴ .	1,598	15	9.4	17	7.4	19	8.5	2.0																
Muscatine, Iowa.	1,562	16	11.1	22, 23	3.5	1-3	8.0	7.6																
Galland, Iowa ⁵ .	1,473	8	6.4	24-26	0.6	3	4.3	5.8																
Keokuk, Iowa ⁶ .	1,463	15	11.3	25	3.8	3	8.0	7.5																
Hannibal, Mo.	1,402	13	12.7	26	1.2	2	8.2	11.5																
Grafton, Ill.	1,306	23	15.7	28	3.9	3, 4	10.6	11.8																
St. Louis, Mo.	1,264	30	18.8	26	3.8	3	13.2	15.0																
Chester, Ill.	1,189	36	15.4	27	2.2	4	10.1	13.2																
New Madrid, Mo.	1,003	34	26.7	18, 19	7.5	7	18.4	19.2																
Memphis, Tenn.	843	33	23.8	22, 23	3.5	9	14.1	20.3																
Helena, Ark.	767	42	31.7	24	7.6	10	19.7	24.1																
Arkansas City, Ark.	635	42	33.4	23-30	8.9	11	20.8	24.5																
Greenville, Miss.	585	42	28.7	27-29	7.4	11	17.5	21.3																
Vicksburg, Miss.	473	45	32.0	30, 31	1.9	12	18.1	24.1																
New Orleans, La.	108	16	10.9	31	3.5	17	6.5	7.4																
<i>Missouri River.</i>																								
Bismarck, N. Dak.	1,300	14	7.6	23-30	3.0	1	5.2	4.6																
Pierre, S. Dak. ⁶	1,114	14	4.0	31	1.8	21	3.0	2.2																
SIOUX CITY, IOWA ⁷ .	784	19	8.5	12	4.9	16, 17	5.7	3.6																
Omaha, Nebr.	609	18	7.8	8	4.6	12	6.1	3.2																
Plattsmouth, Nebr.	641	17	4.7	2	3.2	21, 22	8.9	1.5																
St. Joseph, Mo.	481	10	3.6	16	1.2	2, 8	2.6	2.4																
Kansas City, Mo.	388	21	10.7	22	6.9	4, 9	8.9	3.8																
Boonville, Mo.	199	20	10.2	23	3.0	5	7.0	7.2																
Hermann, Mo.	103	24	12.3	12	4.0	1	9.0	8.3																
<i>Osage River.</i>																								
Barnell, Mo.	70	28	15.2	12	2.2	9	6.4	13.0																
<i>Des Moines River.</i>																								
Des Moines, Iowa ⁸ .	165	19	10.2	21	3.2	2-4, 7	5.7	7.0																
<i>Illinois River.</i>																								
Peoria, Ill.	135	14	17.7	31	8.2	3	18.8	9.5																
Beardstown, Ill.	70	12	8.8	31	2.3	3	5.6	6.5																
<i>Youghiogheny River.</i>																								
Confluence, Pa.	59	10	9.7	11	1.1	1	3.6	8.6																
West Newton, Pa. ⁹ .	15	23	11.0	11	2.2	9	4.5	8.8																
<i>Allegheny River.</i>																								
Warren, Pa.	177	14	10.8	27	1.6	7.8	4.9	9.2																
Oil City, Pa.	123	13	11.9	27	1.8	2, 8	5.6	10.1																
Parker, Pa.	73	30	13.5	27	1.6	1, 3	6.6	11.9																
<i>Monongahela River.</i>																								
Weston, W. Va.	161	18	4.2	5	0.0	1-4, 15-20	0.7	4.2																
Fairmont, W. Va.	119	25	8.5	6	1.2	1	8.6	7.3																
Greensboro, Pa.	51	18	14.0	10	7.5	1, 2	10.0	6.5																
Lock No. 4, Pa.	40	28	18.5	12	6.8	2	10.9	11.7																
<i>Conemaugh River.</i>																								
Johnstown, Pa.	64	7	8.7	11	1.8	1	8.9	7.4																
<i>Red Bank Creek.</i>																								
Brookville, Pa.	35	8	8.8	12	1.6	1-3	2.8	2.2																
<i>Beaver River.</i>																								
Ellwood Junction, Pa. ¹⁰	10	14	13.0	10	4.3	30, 31	5.9	8.7																
<i>Great Kanawha River.</i>																								
Charleston, W. Va.	61	30	12.0	6	5.1	20	7.0	6.9																
<i>Little Kanawha River.</i>																								
Glenville, W. Va. ¹¹ .	100	24	5.5	5, 27	- 0.8	1	2.4	6.3																
<i>New River.</i>																								
Hinton, W. Va.	95	14	5.6	28	1.9	2-4	2.9	3.7																
<i>Cheat River.</i>																								
Rowlesburg, W. Va. ⁸ .	36	14	9.0	12	4.0	8, 9, 22-26	5.4	5.0																
<i>Ohio River.</i>																								
Pittsburg, Pa.	966	22	19.4	12	0.8	1	10.2	18.6																
Davis Island Dam, Pa.	960	25	18.8	12	3.5	1	10.8	15.3																
Wheeling, W. Va.	875	36	29.7	12	6.3	1	15.7	23.4																
Parkersburg, W. Va. ¹⁰	755	36	29.0	14	4.4	4	16.0	24.6																
Point Pleasant, W. Va.	703	39	32.3	14	3.1	4	17.8	29.2																
Huntington, W. Va.	660	50	34.6	15	5.9	4	21.0	28.7																
Catlettsburg, Ky.	651	50	35.5	15	3.8	5	20.9	31.7																
Portsmouth, Ohio.	612	50	35.8	15	5.5	5	21.4	30.3																
Cincinnati, Ohio.	499	50	33.4	16	7.6	7	22.2	28.8																
Madison, Ind.	413	46	30.0	17	7.8	5	—	22.2																
Louisville, Ky.	367	28	12.4	17	4.6	5, 6	8.7	7.8																
Evansville, Ind.	184	35																						

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